WALLACES' FARMER
and Iowa Homestead

IOWA'S LEADING FARM NEWSPAPER

DECEMBER 1, 1956

Mrs. Warren Moore and Jeffrey, Monona county, Iowa.

Mrs. Irwin Andersen and Rodney Gale, Harrison county, Iowa.

Grow up to be farmers?

WILL these husky toddlers grow up to be farmers? Maybe yes. And maybe no.

A recent study suggests that only two out of every three Iowa farm boys are needed for replacements. The third must find work in a city or town.

And with the trend toward greater mechanization and fewer farms, the demand for young farmers may drop even further.

Of course the "boy surplus" isn't new. Corn Belt farms have been exporting boys for the last 60 years and more.

You'll find 'em all over the country—college professors, machinists, salesmen, engineers, truck drivers, lawyers, etc. The list goes on and on.

Retire, but stay busy 14

You can wash on rainy days . . 26

More hens but less work 36

You'll vote on corn program . . 40

why it will pay you best to buy an MM SHELLER NOW!

ALL-TIME BEST SELLERS*
. . . SELLOUTS YEAR AFTER YEAR

Start now to bank these extra shelling profits!

$ Shell at lowest per-bushel cost!
You just can't beat an MM Sheller for making quick, low-cost work out of big shelling jobs. Per-hour output of up to 500 bushels with the Model D, up to 1200 bushels with the Model E saves man-hours, fuel and money. These big savings can be yours *right now!*

$ Fast, gentle MM shelling!
MM's low-speed cylinder and steel-rod cage design gives you unmatched shelling capacity. Gentle, thorough "rubbing" action handles snapped or husked corn without bruising or cracking kernels.

$ Shell your corn premium clean!
Corn is *worth* more, shelled the MM way! Two powerful fans, one for blast and one for exhaust, work together over the full length of the MM cleaning shoe. This two-way action puts corn in the bin clean . . . free of dust, trash and husks . . . in *premium* condition!

$ Save with far lower up-keep expense!
Up-keep stays at rock bottom with an MM Sheller. You shell snapped or husked corn with little adjustment. Fewer moving parts, larger bearings and pressure lubrication cut wear. You pocket big maintenance savings with every year of dependable service.

$ Profit by long, big-capacity service!
One MM owner put over one-half million bushels of corn through his Model D Sheller in less than two years . . . and the Sheller was still going strong! Performance like that means you solve your shelling problems for good when you buy an MM Sheller!

$ Bank big custom profits!
When your own corn is in, you go right on making extra cash by shelling for your neighbors. Both Model D and Model E Shellers are easily portable. Both are available for truck or trailer mounting. Many owners pay for Shellers in one season by spare-time, off season work.

GET REAL SHELLING CAPACITY WITH THIS NEW MM TEAM!
Use the power take-off of this new MM 445 tractor to power a Model D Sheller and you'll shell up to 500 bushels of husked corn per hour—switch to snapped corn with only minor adjustments.

MINNEAPOLIS-MOLINE
MINNEAPOLIS 1, MINNESOTA

*

MODEL	BUSHELS PER HOUR	DRIVE
MODEL "D"	Up to 500 (husked corn) Up to 200 (snapped corn)	Power Take-Off, Belt or Special Engine
MODEL "E"	800 to 1200 (husked corn) 250 to 1000 (snapped corn)	Power Take-Off, Belt or Special Engine

IMPORTANT:
MOST MM DEALERS CAN NOW MAKE IMMEDIATE DELIVERY OF MM SHELLERS. SELLOUTS HAVE BEEN THE RULE YEAR AFTER YEAR. ORDER NOW WHILE STOCKS LAST!

WALLACES' FARMER AND IOWA HOMESTEAD, December 1, 1956 (Vol. 81, No. 23). Published first and third Saturdays of each month by the James M. Pierce Corporation, Des Moines, Iowa. Subscription price, one year for one dollar. Entered as second-class matter October 19, 1929, at the post office in Des Moines, Iowa, under the act of March 3, 1879. Copyright, 1956, by the James M. Pierce Corporation.

SAVE-SAVE!

S&Q SERVICE QUALITY HARDWARE STORES

HOLIDAY VALUES

LOW, LOW PRICES MADE POSSIBLE BY TREMENDOUS BUYING POWER OF HUNDREDS OF STORES IN 21 STATES

GO TO YOUR S&Q HARDWARE STORES FOR

ALBERT CITY
Johnson Hardware
ALGONA
Hall-Strahorn Hardware
105 E. State St.
ALLISON
Allison Hardware
ANTHON
Thayer Hardware
ATLANTIC
Campbell Hardware
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White Hardware
BOONE
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BUFFALO CENTER
John & Jerry Hardware
CARLISLE
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CEDAR FALLS
Cedar Falls Hardware
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LAKE CITY
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Cornell Hardware
OSAGE
Osage Hardware
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Becker Hardware
OXFORD
Oxford Hardware & Impl.
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Anderson Hardware
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Bozing Hardware
WESLEY
Roote Hardware
WEST BEND
M. E. Jones & Sons
ZEARING
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SCREWDRIVER SET

Reg. 98¢

67c

Six handy sizes for farm jobs. Heavy duty types.

ANGEL CAKE PAN

Reg. 2.49 **$1.69**

Square design, removable bottom. Aluminum finish. Holds 13-egg angel cake.

GENUINE MIRRO AUTOMATIC PERCOLATOR

Reg. 9.95 **$6.95**

Make perfect coffee automatically! Stops perking when coffee is done, keeps it hot.

Christmas TREE LIGHTS

97c

Reg. 1.99

7 bulbs burn independently. Spring steel clips hold lamps on tree. UL approved.

MEN'S WRIST WATCH

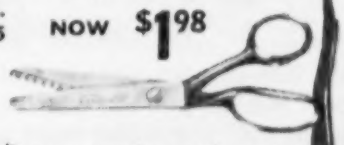
Reg. 6.95

NOW **$4.95**

Save $2.00. Jeweled movement, Swiss made.

7½" PINKING SHEARS

Reg. 2.95 NOW **$1.98**

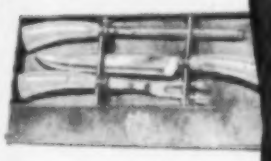


Quality construction with nickel plated blades.

MATCHED CARVING SET

Reg. 4.75

NOW **2.69**



Three piece deluxe set. Hollow ground tempered steel knife. Fork and sharpener.

STAINLESS FLATWARE SET

Reg. 7.98

4.69

Mirror finish on 24-piece set. Perfect balance.

LOAF PAN

Reg. 1.19

89¢

New shape, best for fruit and loaf cakes, meat loaves. Slip-on cover.

DONUT MAKER

Reg. 1.98 **1.59**

For perfect donuts, just push the plunger, cleans easy.

14 PIECE KITCHEN TOOL SET

Reg. 3.79 **2.89**

14 kitchen tools. Plated steel, aqua handles.

DOMINION FRY PAN

Reg. 19.95

11.95

3½-qt. family size. Cooks fast, thermostatic control. $3 Aluminum cover only $2.19.

6 QUART COOKER-FRYER

Reg. 13.95 **10.89**

Chrome finish, thermostatic heat. Aluminum colander basket, glass cover.

WRENCH SET

Reg. 4.79 **3.79**

6-piece combination. ⅜" to ¾" sizes. Handy carrying pouch, guaranteed.

800 FOOT BEAM

DELTA LANTERN

Reg. 3.95

NOW **2.98**

Light weight, unbreakable lens, swivel head. Uses one 6-volt battery. Battery ..... 90¢

CANNON BATH-GIFT SET

Only **$1.88** With Coupon

Get famous Cannon bath, hand towel and wash cloth in choice of 4 colors. A TREMENDOUS buy! Compare others selling for $3.25 to $3.50.

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Town_____ State_____

10 FT. STEEL TAPE

Only **65¢**

With Coupon

Lightweight metal case, white face steel tape with hook-over end.

Name_____

Address_____

Town_____ State_____

Hogs and Cattle

BY WALTER J. LEEDS

Fewer litters this spring?

ON MY last trip through several of the Corn Belt states, I had a good chance to visit with a number of hog raiser friends of mine. I guess it's not too surprising that I found fewer bred sows on farms this year than at the same time a year ago.

No big cutbacks, but most of the hog raisers I talked to these past few weeks are breeding a few less sows.

If you're like so many other hog raisers who have pulled back a little this year, each litter you do farrow will be more important than ever.

After all, your investment in the sow is about the same whether she farrows a big litter or a small one. Anything you can do to help increase your chances for big, sturdy litters makes a whole lot of good hog raising sense . . . especially this year.

There are a lot of things you can do to help your sows wean the big litters they were bred for . . . maybe you'll use farrowing stalls. Or a special farrowing feed. Or possibly a powerful pre-starter. And a tasty creep feed. All are a big help towards getting big litters at weaning time.

But the time to start going for big, strong, livable litters is right now . . . when your bred sows and gilts are building their unborn pigs. And the best way I know of to go for those big, lively litters now is with a special "motherhood" supplement.

The motherhood sow supplement I like to recommend to my friends is called "Sow-30." It's a development of the Nutrena Research Center. I've studied the Sow-30 formula, and I've compared it with sow feeding requirements set down by the National Research Council. What I see, I like . . .

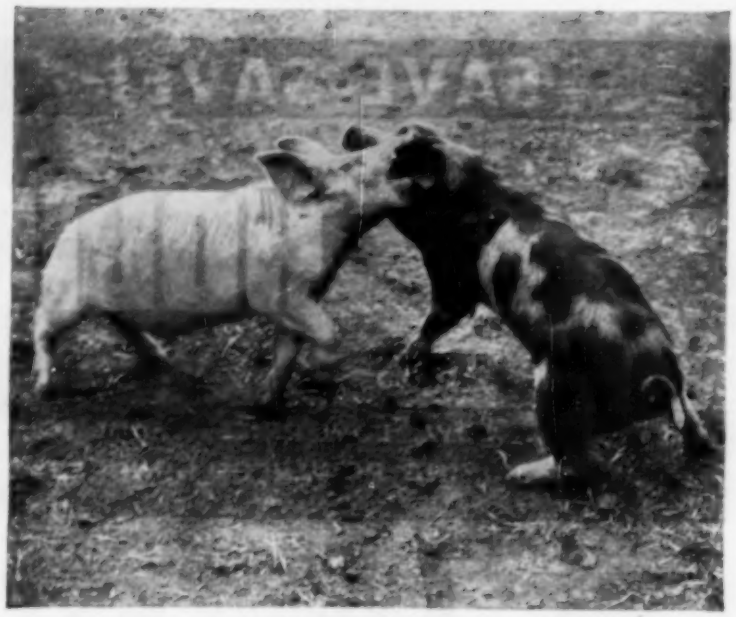
Sow-30 brings to gestation feeding a completely different nutritional balance — different from the balance of nutrients you'll find in regular hog supplements. It contains a special balance of the "pregnancy factors"—the amino acids, minerals and vitamins —the sows *must* have to nourish their unborn pigs.

Yes, I like Sow-30's special motherhood formula. And the thing that gives me the utmost confidence in recommending Sow-30 is the results folks get with it right in their own hog barns and farrowing pens.

For instance, here are the results that one group of 288 hog raisers got feeding Sow-30: These folks averaged 9.07 pigs weaned per sow . . . compared to the Corn Belt average of only 6.96.

With most of the gestation period yet to come, now is a real good time to get your sows and gilts on the Sow-30 program. So why not stop by your Nutrena dealer's this week and talk over your sow feeding program with him?

Better still, pick up enough Sow-30 to carry your sows from now to weaning. You'd be surprised at how little Sow-30 it takes. Compared with all the feed your pigs will eat on the way to market, it's just a drop in the bucket. But what an important drop. The "Mighty Drop" it's been called, with good reason. (Advertisement)



Fight in the barnyard! But nobody worries much about this kind of scrap. It's when pigs or people put on guns, use airplanes, drop atomic bombs that big trouble starts.

INSIDE STUFF

WHAT'S ALL the trouble about in Suez? Busy farmers hear a lot of news, but still wonder.

SHORT ANSWER: Britain is getting most of its power from oil shipped from the Middle East. If oil stops, factory wheels stop.

WHY SHOULD the U. S. worry? Britain is our only major ally in case of war. If Britain went broke, Russia would gain.

SECRETARY BENSON says he won't resign. Republican congressmen in the Corn Belt wish he would. A few got beaten this fall; more got a real scare. They blame Benson and his farm program for their troubles.

SEVERAL KEEN-EYED historians, including Harley Mitchell of Warren county, Iowa, noted a bobble in a recent "Inside Stuff." I was talking about the presidential contest of 1916 when Hughes and Wilson were running.

BY SOME UNHAPPY error, I said 1912 instead of 1916. Mr. Mitchell and others remind me of what all of us old-timers know. Taft, Wilson and T. Roosevelt were the candidates in 1912.

WAR THREAT in the middle east will push the military budget up again. Maybe more men called in the draft too. It would make more sense to raise service pay, pull in more three year recruits.

HOW MUCH did you know about each of the folks you voted for on November 6? If you're like me, you didn't know too much.

EVERY TIME I vote, I think about the advantage of a short ballot. Elect the governor, and let him pick his cabinet. Elect a county board, and let it pick the sheriff and the other job holders.

SOME SHERIFFS would say: "Elect me, and let me pick the board." But shorten up the ballot anyway.

A "YES" VOTE in the corn referendum will let Secretary Benson pick a corn loan figure anywhere from zero to 90 in the years 1958 and 1959. Even a good secretary isn't entitled to that much confidence.

IOWA IS LOSING a good man from the Board of Regents. V. B. Hamilton of Franklin county is resigning after seven years of service. The Board of Regents is the new name for the old Board of Education. It runs the state schools.

"HAM" DID a good job on the board in helping to handle its regular chores. He did a better job in reminding farmers and others just what the state colleges are up against as new students continue to flood in.

AT OUR PLACE, the one-legged chickadee is back. This is his third season at our feeding tray, and he is still lively and a terror to sparrows.

DONALD R. MURPHY.

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New germ-starving drug controls stubborn mastitis

Nitrofurazone in Pen-FZ, plus good management, prevents losses even where "wonder drugs" have lost their punch

If mastitis is a problem in your herd, there's new help at hand...even for stubborn cases.

It's Dr. Hess Pen-FZ — a new treatment that controls mastitis quickly — and gets your cows back in the milking line fast — for full, profitable milk production.

Pen-FZ combines a revolutionary new drug and low-level penicillin. This new drug is nitrofurazone...a member of the powerful nitrofuran family ... a proven germ killer.

Nitrofurazone is a man-made chemical that's friendly to udder tissue, but upsets a germ's life cycle. Makes germs *starve* themselves to death... fast. It *kills* the four kinds of bacteria which most commonly cause mastitis today. No resistant strains to cause trouble.

Low-level penicillin teams up with nitrofurazone for a *synergistic* effect. That means the two drugs together provide more total germ killing power than the sum of both when used separately.

Because mastitis is caused by several kinds of germs, Pen-FZ can be doubly effective in controlling a broad range of cases. This includes stubborn cases where bacteria ... like flies ... may have developed resistance to old-style treatments.

The reason: Most old-style treatments do their job by merely holding down growth of bacteria. This leaves the real clean-up job to the cow's own body defenses, which are not always adequate.

But now, with Pen-FZ, nitrofurazone takes over this germ-killing chore ... does its mastitis-fighting job by forcing bacteria to starve themselves to death. That's why scientists have found no significant resistance to nitrofurazone in over 10 years' testing...why Pen-FZ is guaranteed to give effective results when used as recommended.

SPECIAL EARLY-SEASON OFFER

Your Dr. Hess dealer is offering for a limited time 2 full-size tubes of Pen-FZ free with your purchase of 10 at the regular price. See for yourself the benefits of this revolutionary combination of mastitis-fighters in Pen-FZ.

those lifesaving ...

nitrofurans

germ killers that last ... from

PC-6-6

HESS & CLARK Inc.

Ashland, Ohio

Look to Dr. Hess products for animal health

Warfarat with new APL proves a deadly temptation to rats

Now even bait-shy rats are attracted to Dr. Hess Warfarat with the new APL (Animal Protein Lure). Warfarat's a ready-to-use bait with time-tested warfarin guaranteed to control rats when used as directed.

Dr. Hess Calf Scour Tabs

An easy-to-use treatment that does 2 jobs — knocks out scours and guards against pneumonia. Contains streptomycin and sulfathiazole for 2-way effectiveness. Helps head off complications. Gives more results for less money.

Dr. Hess Udder Ointment

A healing, soothing ointment with softening lanolin base. Speeds the healing of scratches, cuts, sores and bruises. Stays soft and easy to apply . . . even in coldest weather.

Dr. Hess PŌL dehorns painlessly

A safe, easy-to-use liquid. Forms a tough, pliable coating over horn buttons . . . stops their growth forever. One bottle treats 10 to 12 calves... costs just 10 cents a head.

Dr. Hess SKP fights scours

SKP is a fast-acting treatment that stops calf scours. Given as a drench mixed with water . . . at a time when calves need extra liquids. One pint usually saves a calf.

LOCATE YOUR DR. HESS DEALER

Parkersburg, Dreyer Drug Co.
Panora, D. L. Sheets
Palmer, Palmer Drug Sundries
Persia, Albertus Hardware
Perry, McDonald Drug Co.
Pella, Carpenter's Drug Store
Pella, Bakker & Rus
Petersburg, J. C. Witte
Pisgah, Arlo Pharmacy
Pleasantville, Bare's Drug Store
Pocahontas, Shimon Drug Co.
Pomeroy, Bretthauer & Roese
Primghar, Hunt's Drug Store
Protivin, W. M. Kalishek & Son
Pierson, L. J. Snyder Drug Sundries
Radcliffe, Radcliffe Drug Co.
Remsen, Bedel Drug Co.
Reinbeck, Lonergan Drug Co.
Red Oak, Red Cross Drug Store
Riceville, Richmond Drug Co.
Ridgeway, H. G. Gunhus
Ringsted, Lund Drug
Rockford, Johnson Drug
Rock Rapids, May Drug
Rock Valley, Smith Pharmacy
Roland, Vaughans
Rolfe, M. W. Webb
Royal, E. Dewey Hess
Russell, E. Dewey Hess
Ryan, A. L. Schemmel
Sabula, Arnold Krabbenhoft
Sac City, Sac City Drug
Sac City, Williams Milling Co.
St. Charles, P. R. Sanders
St. Marys, Lippold Hardware
Salem, Smoot Produce & Feed
Schaller, Tierney's
Schleswig, Peters Drug Co.
Scranton, Smith Sundries
Sheldon, Neary's Drug Store
Shenandoah, Corn States Farm Supply
Sibley, Wayne E. Gaashl
Sidney, Penn Drug Co.
Sigourney, The Vittetoe Drug Co.
Sioux Center, Schalckamp's Drug Store
Sioux City, Zuparn & Hughes
Sioux Rapids, George Drug Store
Soldier, Soldier Feed Store
Spencer, Otto A. Bjornstad & Co., Inc.
Springbrook, Gonner Store
Springbrook, Scheckel's Hatchery
Springville, Springfield Coop. Elevator
Stacyville, May's Hardware
State Center, Brimhall Brothers
Steamboat Rock, Russell W. Holmes
Storm Lake, Ireland Drug Co.
Story City, Gandrup Drug Co.
Strawberry Point, D. G. Courtnage
Stuart, Morrill Pharmacy
Sully, D. W. Wildman
Sumner, Koeberle-Heyer Co.
Sunbury, Ernest F. Peterson
Swea City, Van Norman Drug Store
Swedesburg, Farmers Union Exchange
Tabor, Williams Drug Co.
Titonka, Mehlan Sundries
Toledo, L. W. Downer Drug
Traer, R. J. Smith
Treynor, Treynor Sundries
Ute, H. F. Manning
Vail, Vail Lumber Co.
Van Wert, M. L. Jones
Victor, Roushar Rexall Drug
Villisca, J. S. Honeyman
Vinton, La Grange Drug Store
Wadena, Leallen Knox
Walker, Frank B. Assmus
Washington, Schoonover Drug
Washta, Leeds Sundries
Waucoma, C. M. Burnside
Waukon, Regan Pharmacy
Waukon, Sullivan's Drug Store
Waverly, Meyer's Rexall Drug
Waverly, Stauffer Drug Store
Webb, Binkard's
Webster City, Williams Drug Inc.
Wellman, Elmen Drug
Wellsburg, Hoeke Drug Store
West Point, Ossenbrink Drug Co.
West Union, Corner Rexall Store
West Union, Rush Drug
Wheatland, Wheatland Sundry & Gift
Whittemore, Lonergan Drug Store
Williamsburg, Star Drug Co.
Winfield, Mathews Drug Store
Winterset, Clifford J. Miller
Winthrop, Freeman's
Woodbine, Hill Drug Co.
Woden, Rittenhouse Drug Sundries
Woodward, Whitney Rexall Store
Wyoming, Botkin Drug Store
Yale, Yale Hatchery
Yale, Yale Produce
Ackley, A. D. Weaver
Adel, Fowler's Drug Store
Adair, Gardiner Drug Store
Afton, Sale Drug
Akron, Thorson Drug
Allison, Allison Drug
Allerton, Meyers Drug Store
Algona, Honsbruck Drug
Altoona, Altoona Pharmacy
Albia, Love Rexall Drug
Albia, John H. Hess
Albia, Steel & Sons Feed Co.
Alton, Klein Drug Co.
Ames, Oslund Drug
Anthon, Duecker Drug
Anamosa, W. R. Kouba
Andrew, E. H. Daudel
Aplington, H. H. Lindeman
Artesian, Moeller's Store
Arlington, Bateman's Drug Store
Ashton, Knudson Sundries
Atlantic, Gregerson Pharmacy
Austinville, People Store
Audubon, Roberts Produce
Audubon, Kile Drug Co.
Auburn, Wilson Drug Store
Avoca, Kyle Drug Store
Avoca, Crahan Drug Store
Baxter, Lauppe's Sundry
Baxter, Baxter Drug Store
Bennett, R. J. Wiemann
Belmond, Nolan Drug
Bellevue, Hodoval Rexall Store
Belle Plaine, E. H. Klink
Bedford, Bedford Rexall Drugs
Birmingham, Birmingham Sundries
Blairstown, Holmes Sundries
Blockton, Kid's Sundries
Bloomfield, Bitner Rexall Drug
Bode, Helmen's Drug Store
Bonaparte, Bonaparte Mill
Boone, Wilson Drug Co.
Boyden, Kool's Sundries
Bremer, Bremer Mercantile
Bridgewater, Pote Drug Co.
Britt, Lee & Grifhorst
Brooklyn, Crosson Rexall Drug
Buffalo Center, Beste's Pharmacy
Burlington, Turner Seed Store
Burlington, John H. Witte & Sons
Calmar, George Bruechner
Cambria, Street & Woollis
Carroll, Rettenmaier Drug Co.
Carson, Nishna Drug Co.
Cascade, Cascade Feed Co.
Cascade, Ramm & Kurt
Casey, Girard's Store
Cedar Falls, Bergand Berg
Cedar Rapids, Mays Drug Inc.
Center Point, Town Drug
Centerville, Bryant Pharmacy
Central City, Norton Drug and Variety
Chariton, Roush Brothers
Charles City, Field Drug Store
Charter Oak, A. J. Nigg
Chelsea, C. P. Swaim
Cherokee, J. C. Nelson
Chester, McCrame Sundries
Churdan, Johnson Sundries & Grocery
Churdan, Square Deal Produce
C..innati, Milner Electric
Clarence, Dewey Rhatigan
Clarinda, H. C. Hawley Drug Co.
Clarion, H. E. Cavanaugh
Clarksville, Martin Sundry Store
Clemons, Palmer Grocery
Clermont, L. M. Crowe
Coin, Clement Drug Co.
Colfax, George S. Weirich
College Springs, Stevenson Mercantile
Columbus Junction, Shellabarger Drug Store
Coon Rapids, Emery E. Johnson
Corning, Dunham's Rexall Drug
Corydon, Allred Rexall Drug Store
Council Bluffs, Johnson Pharmacy
Council Bluffs, Roy Scofield Co.
Cresco, Holmes Drug Store
Creston, T. E. York
Davenport, Schlegel Drug Stores
Decorah, Rosel's Pharmacy
Deep River, Baustians Drug Store
Delmar, Lane & Hafner Hardware Co.
Denison, Johnson Drug
Denver, Sohle Sundries
DeWitt, Thorpe's Drug Store
Dew City, Brosel's Store
Dubuque, Farmers Supply Co.
Dubuque, Hartig Drug Co., No. 3
Dubuque, Hartig Drug Co., No. 1
Dubuque, Hartig Drug Co., No. 2
Dumont, Tremaine Sundries
Dunkerton, Magee Drug Co.
Dunkerton, Marv's Feed & Seed
Dunlap, Lehan Drug Co.
Durant, G & W Feed Store
Dyersville, Brueckner Drug Co.
Dyersville, Edward M. Steger, Inc.
Dysart, Wuest Drug Store
Early, Bedel Drug Store
Eldora, A. E. Anderson Drug Store
Elgin, O'Neill Drug
Elkader, Schmidt's Rexall Drug
Elliott, Max Drug Sundries
Emerson Mills, Stille Sundries
Emmetsburg, Roche Drug Store
Everly, Everly Drug Co.
Exira, J. L. Bredahl
Fairbank, McKee Sundries
Farley, Stoughton Drug Store
Farmersburg, Hugo H. Oelke
Farmington, E. E. Carr
Farnhamville, Mack's Sundries
Farragut, Farragut Feed & Produce
Fayette, Davis Rexall Drug Store
Fenton, Fenton Drug Co.
Fontanelle, Stroll Drug Co.
Forest City, Johnson's Pharmacy
Fort Atkinson, Budke Pharmacy
Fort Dodge, Osco Drug
Froelich, A. M. Burlingame
Galva, McCleary's Sundries Co.
Garden Grove, Robert E. Fridley
Garner, Van Dyke Pharmacy
George, Jennings Drug Store
Gilbertville, Gilbertville Milling Co.
Gilman, Fosters Drug Sundries
Gilmore City, Gilmore Drug & Jewelry Co.
Glidden, Watt 'Corner Drug
Gowrie, Eisentraut Pharmacy
Graettinger, Jensen Drug Store
Grand Junction, Jack's Sundries
Grand Mound, DeLange Pharmacy
Granville, Bachmann's
Greene, Mead's Drug
Grinnell, Cunningham Drug
Guthrie Center, P. W. Dowd
Guttenberg, Guttenberg Pharmacy
Halbur, Eischeid & Tiefenthaler
Harlan, Pexton Drug Store
Hartley, Almgren Drug
Hawarden, Booth Drug
Hawkeye, Hauth Brothers
Hazleton, Hazleton Elevator Inc.
Hedrick, Strand Rexall Store
Henderson, Kadel Drug Sundries
Holstein, Kerslake Sundries

HOW GOOD BUILDINGS

Increase Farm Profits

POULTRY

This laying house is a good example of the many 4-Square building plans designed to increase poultry profits. It is arranged to cut chore time, and permit one man to care for a larger flock without extra work.

CATTLE

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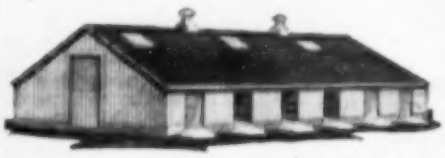

HOGS

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National NFO Officers . . .

National Farmers' Organization (NFO) officers recently elected by the annual convention at St. Joseph, Mo., are left to right—Oren Lee Staley, Rea, Mo., president; Robert Casper, Winterset, Iowa, vice-president; Cliff Houck, Corning, Iowa, treasurer; Wm. Barnes, Lamoni, Iowa, secretary.

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From test tube to feed lot...

by Dan Archer

1956 REPORT ON LIVESTOCK—POULTRY

Year end—time to look over farm-business for the past 12 months and examine success or disappointments.

To get a close check on 1956, I called three marketing experts—one in Illinois, another in Iowa and a third in Minnesota. These states are representative of the situation in the farm-belt. Here are the facts I got... and some tips for improving your position in 1957:

HOGS—*better days ahead.* Spring farrowings in February and March hit a new low—15% below average—coming out of those hectic $10-days a year ago. Fall farrowings drifted lower, too, bringing the total hog crop for the year down from 5 to 16%, depending on area. In some sections corn ran short late in the season to "squeeze" the hogman between falling pork prices and rising corn costs. Despite these drops, shrewd feeders were marketing hogs for *more* money than a year ago—and making profit, too.

Best way I know to come-out on hogs is to follow a sound hog-feeding *program,* built around those money-saving Archer Booster Feeds. Before pigs are farrowed, it will pay you to feed Archer Sow and Pig Balancer the "Successful Motherhood" supplement. Then, to save more baby pigs, start 'em right on Archer Pig Super-Start the power-packed pre-starter for early weaning and early gains. From there to market Archer offers a complete line of profit-boosting, cost-cutting hog feeds. It sure beats all how Archer Booster Feeds help hogs squeeze every last ounce of gain out of corn—spreading your profit margin on every hog you raise. 1957 looks like a good year for pigs—and for the hog raisers who feed wisely.

DAN ARCHER

CATTLE—*feeding made the difference.* The market started sloppy in 1956 and advanced during the summer. Toward fall things were looking up for the cattleman, with prospects of a firm, stable market. Cattle on farms in 1956 stood at about 98 million, and prices seemed generally to hold stronger than the year before. A larger calf crop in 1956 brought a larger supply of feeder cattle into midwest feed lots this fall and winter.

The best bet for cattle feeders, right now, seems to be early gain from low-cost feed. Supplement roughage, *feed it longer,* and conserve grain. That's why your Archer Booster Feed Dealer is a good man to know. He has Archer Lin-Mo-Lass, the powerful roughage supplement that produces "corn-type" gains from low cost feed . . . unlocks hidden value in roughage and helps the animal build profitable beef. Your best insurance against fluctuation in cattle prices is a sound, low-cost feeding program built around roughage, properly supplemented with Archer Lin-Mo-Lass, the powerful roughage supplement.

POULTRY—*wonderful news coming.* Chicks started for replacement in 1956 were only 2% above the all-time low of 1955. By August, laying flocks averaged only 2½% above the year before. Yet in August, an all-time record for production was established. With potential layers ready to enter the house from the spring-started flock, production looks likely to hold high throughout the winter. Egg prices, on the other hand, saw a slump this fall—but only slightly below prices of a year ago. All in all, there's still money in eggs, and this spring many smart feeders will be starting as many chicks as last year, or more. *Poultry raisers will be in for a happy surprise in January when the biggest news in poultry feeding hits the brooder houses of the midwest.*

I can't tell you much about this news—but I can say this: the folks at Archer Research have developed and tested a *new idea* in feeding that promises to be the biggest thing in poultry since antibiotics. Watch for it . . . you'll see the whole story in this publication in January. Check with your Archer Booster Feed Dealer before you order *any* feed for spring-started chicks.

DAIRY—*time to adjust labor and feed.* 10,794 million pounds of milk poured out of milking houses in August, for the highest record month since 1945. And fewer cows were producing this near-record supply of milk. Actually, from July, 1955 to July, 1956, cow numbers declined about 1%. Right now, dairymen are averaging about 6000 pounds per cow—a new national record. With fewer cows giving more milk, the dairyman is in a good position to tighten up his operation for high profit. Feeding must be right, too, for top profits—that's why so many successful dairymen are switching over to Archer Booster Dairy Feeds. Low-cost, milk-boosting Archer dairy supplements balance your hay and grain feeding—bring your ration up to top efficiency—at lowest out-of-pocket cost.

I hope these tips help you do better next year. Whatever type of stock or poultry you'll be raising, one thing is for sure—the best man to know, the fellow who can give you real help, is your Archer Booster Feed Dealer. Stop in and see him now.

ARCHER-DANIELS-MIDLAND CO., Sales offices: Minneapolis, Minnesota; Springfield, Illinois; Kansas City, Missouri. (Advertisement)

Not sure about federal supports for hogs? This is view of Henry Dotzer, Sr., of Howard county, Iowa. Says supports for top grade light hogs might work.

Does hog market need support?

Iowa farmers give opinions on federal support for hog market

DO IOWA farm people think there should be some kind of federal support for hog prices? Or would they rather go it alone?

The Wallace-Homestead Poll asked this question:

"Should the government support hog prices?"

At the time farmers were interviewed, light hogs were selling around $16 at Chicago.

Men and women answered like this:

	Men	Women	Total
1. Yes	46%	40%	43%
2. No	35	18	26
3. Not sure	19	42	31

A farmer in Winneshiek county declared: "We need $20 hogs to keep even with what we have to pay for what we buy."

But a Black Hawk county farmer had a different opinion: "Hog supports would cost too much. And it would come right back in taxes farmers would have to pay."

"Keep the price of grain up," said a farmer in Union county. "Then you won't have much trouble with hogs."

Democrats were more inclined to favor hog supports than Republicans. Ike voters were only 30 percent in favor.

A woman in Taylor county said questions like these should be for men only. "Maybe farm wives should study these things, but I know I'm very ignorant."

But a young woman in Wright county had ideas on hogs: "We could get prices up if we farmers would just get together and all of us raise less. But farmers just won't do it."

How do men of different ages feel about the question? Here is the way the different age groups voted:

	Age 20-34	Age 35-49	Age 50 up
1. Yes	36%	53%	44%
2. No	42	32	33
3. Not sure	22	15	23

Middle-aged farmers seemed the most eager to get a support program established.

Does it make any difference how many spring pigs you have? The Poll checked up on answers among farmers with no spring pigs, those with one to 74 spring pigs and those with 75 or more.

Here is the way they voted:

	No pigs	1-74	75 up
1. Yes	38%	48%	42%
2. No	21	22	31
3. Not sure	41	30	27

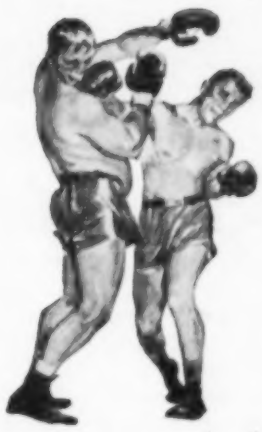
A farmer in Harrison county commented: "We need a floor on hog prices."

A Buchanan county man complained: "I think its wrong to guarantee corn at $1.20 and not do anything about hogs."

A farmer in Harrison county gave a sensible reply to the question. He said: "It depends on how it's done, so I can't give a positive answer."

The Wallace-Homestead Poll agrees that much depends on how hog supports are handled. Views of Iowa farmers on methods of support will be reported in future issues.

All muscle ...no fat



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TRACTION BOOSTER AND SNAP-COUPLER ARE ALLIS-CHALMERS TRADEMARKS. ©

ALLIS-CHALMERS

Engineering in Action

"My cash outlay for feed only $5.36 a pig"

"I've just marketed 118 pigs that averaged 209 pounds at about a week over 5 months," says Amos Schaefer, Mitchell County, Iowa. "It took only 4⅓ bushels of corn to produce each hundred pounds of pork. My total feed cost for the lot came to only $2140.70. That's what I call real low-cost pork production.

"This is the second lot of pigs I've fed out on MoorMan's Mintrates . . . and my experience has convinced me that Mintrates help put on weight faster and at less cost than any feed I've ever used. Certainly they're a lot cheaper. Mintrates for this lot came to only $4.37 a hog—bean meal and alfalfa amounted to an additional 99c, giving me a total out-of-pocket cost of $5.36 a hog.

"I think one reason for this low cost gain is that MoorMan's Creep Concentrate and MoorMan's Pig Mintrate get the little pigs off to such a fast start and put on so much gain when they're young."

*MoorMan's Mintrates** are concentrated blends of minerals, proteins and vitamins, fortified with antibiotics and are scientifically combined to help hogs get greater nutritive value from corn and other home-grown feeds. Like Amos Schaefer, thousands of hog raisers have found that Mintrates are the key to rapid, low-cost pork production. Your MoorMan Man can show you just how it's done. If he doesn't call soon, write Moorman Mfg. Co., Dept. S612, Quincy, Ill., for details.

NOTE: Amos Schaefer's low cost of producing pork didn't happen overnight. It not only involves a careful comparison of feeding costs, but also thoughtful planning and plenty of attention to breeding, sanitation, good housing and good care.

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Since 1885—71 Years of Friendly Service

Mintrate for Pigs and Hogs

Mineralized protein and vitamin concentrates that help hogs make more economical gains.

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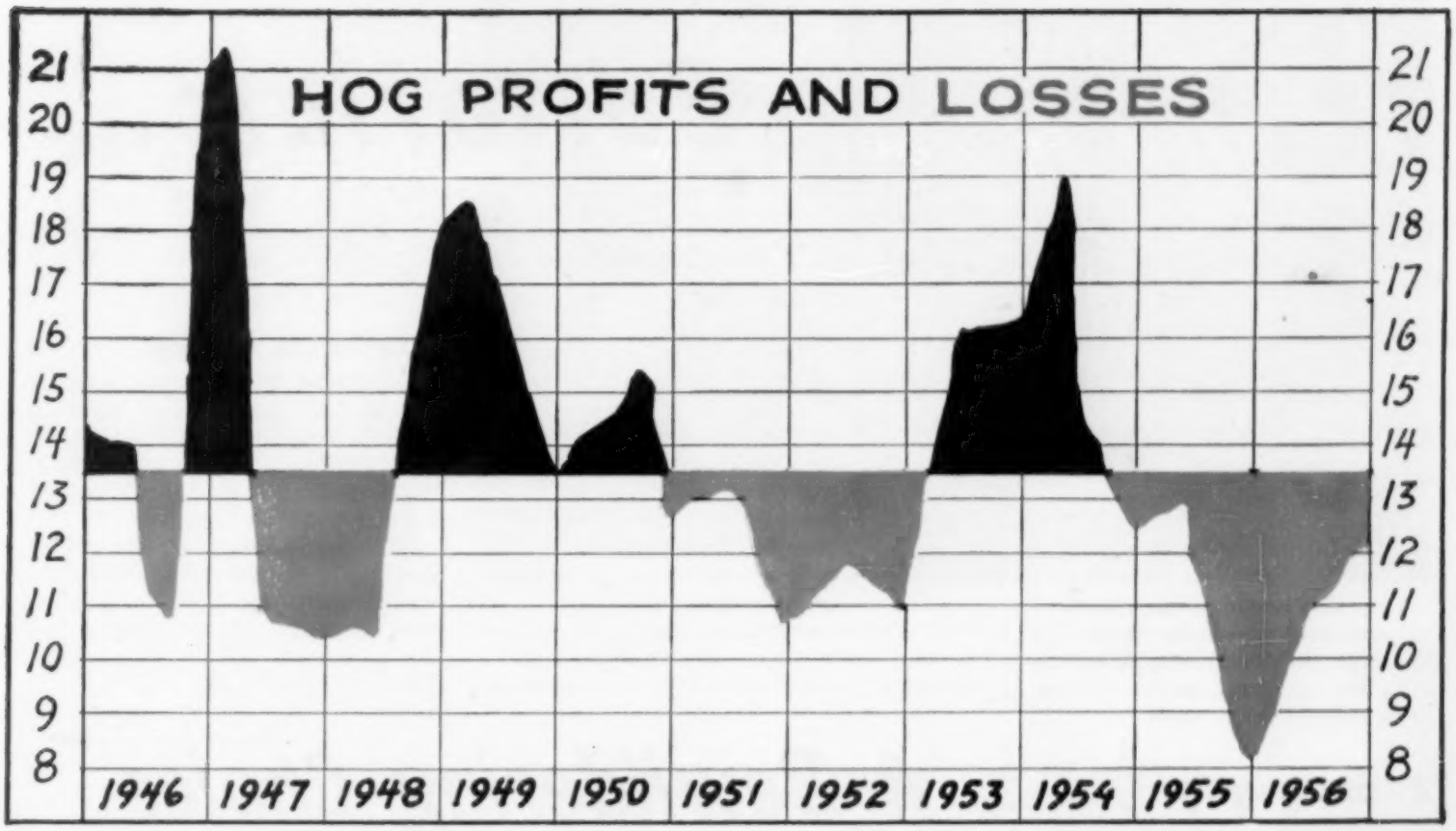


Good times and bad times for hog raisers are shown on chart. Losses are shown below the line, profits above. Figures in margins indicate corn-hog price ratio. Farmers hog production changes over many years indicate 13.5 bushels of corn to 100 pounds live hogs is about the line between profit and loss. Chart is based on that ratio. (Last months of '56 estimated.)

Hog profit period due next year

Need spring pig cut to make it certain

IF YOU'RE a hog raiser, you've just had two years of low returns. Since late 1954, hogs have been cheaper than feed.

And now you may be looking ahead trying to figure out when good hog prices and profits will return. If so, here's a point worth noting.

Hog price changes tend to repeat old patterns. The ups and downs of the hog price cycle are fairly regular except in war time.

So let's look at the record. The chart on this page shows hog profit and loss periods since about the time wartime price controls were removed.

Note that there are usually about two years of hog profits and then a like period of losses. Then note the right end of the chart. That's encouraging, for this loss period has already run the usual two years.

If history repeats, a hog profit period should be just ahead which might last one and one-half to two years.

But before coming to final conclusions you might want to know how hog profits and losses were figured. You might want to examine the record more closely. And you might also wonder if special conditions exist now that might upset the favorable trend in the corn-hog price cycle. Let's look at these points.

Farmer's own estimates as to the line between hog profits and losses are the basis of the chart.

For more than 50 years, farmers have increased pig crops when 100 pounds of live hog brought more than the value of 13.5 bushels of corn. And they've cut production when 100 pounds of hog brought less.

So a ratio of 13.5 to one was made the line between profit and loss on the chart. Of course it doesn't take that much corn to make 100 pounds of hog. But other costs must be allowed for.

Now let's look at the profit and loss record as shown by the chart.

You'll see that we've had three periods of unprofitable hog raising since mid-1947. The first lasted about a year and a half in 1947 and 1948. It was followed by about two and one-half years of hog profits.

Hog losses appeared again at the beginning of 1951. Hog raisers' bad times lasted over two years. Then came a year and a half when hog prices were higher than feed.

Then in late 1954 the present period of hog production losses began. It has already lasted two years and more.

So we say that the end of the loss period is over-due. A period of hog profits should be just ahead.

But could there be an exception this time? Let's examine the usual factors that make the up-trend in the corn-hog price cycle. Then consider unusual influences, if any.

Loss periods are usually stopped, of course, when farmers cut pig crops because of unsatisfactory prices. That has happened.

The fall pig crop now on farms is estimated to be down seven percent from a year ago. The expectation is for 35 million pigs to be marketed in the first half of next year.

Will that cut insure return of hog profits? We'll still have a million more market hogs than in the first half of 1955. That half year was in the present loss period.

The hog supply situation indicates that hogs will be higher in the first half of 1957 than they were in the first half of this year. But we may not enter a profit period. The usual up side of the hog price cycle may be delayed.

Then what about the latter part of 1957? Will that be a profit period?

Farmers are just breeding sows now for 1957 spring pigs. Some think the cut will be two percent under a year ago. But we won't have any reliable information until the December Pig Crop Report is available around Christmas.

You can figure this way: If the cut in spring sows is around six to 10 percent we're almost certain to enter the hog profit period next year. A smaller reduction makes it uncertain.

Another factor must be considered. Corn price supports for 1957 will be reduced sharply, 14, or maybe 19 cents. Cheaper corn will draw farmers into hog production. This could delay or weaken the next hog profit period for farmers.

When all factors are considered this conclusion seems reasonable.

Unless farmers cut the 1957 spring pig crop sharply, the next profit period for hog raisers will be delayed or be much weaker than usual.

Eggs may be cheap, but hens have to put covering around them just the same. So William Geelan of Palo Alto county, Iowa, packs out another sack of oyster shell.

Editorials...

It's Not Compulsory

WILL FARMERS be compelled to comply with whichever corn program is approved in the referendum on December 11?

The answer is "No." The corn referendum merely decides which program shall actually be offered producers later on. As is in the past, they will still be free to participate or stay out.

Compulsory compliance is required only with respect to marketing quotas for wheat and a few other commodities. But even in those cases, a majority of the producers must vote at least two-thirds approval beforehand.

Ezra's Here To Stay

AT A RECENT news conference, Secretary Benson said: "I have no thought of leaving the cabinet. I have never worried about my job. My resignation is on the president's desk and has been since the day after election."

Washington observers say there appears to be no chance the White House will accept Benson's pro forma resignation. Both Ike and his brother Milton are believed to have a high regard for Benson.

A Less-Money Plan

THE MAYOR of Kansas City, Mo., Mr. H. Roe Bartle, has a solution for our over-production problem.

"Let's not worry about surpluses," he said at the recent convention of the Illinois Agricultural Association. "I think we should produce and produce and produce—and then send our farm products out to the world so other people know about the fullness and richness of American life. Let's take less money for our corn, wheat, oats, livestock. . . . Let's have our surpluses just for a matter of accounting, and then ship them to hungry people. That's better than all the H-bombs you can get."

There's something to what the mayor says. But before farmers get too enthusiastic about it, maybe they had better find out who it is that is supposed to take "less money."

Goodbye "Spike" Evans

THE SUDDEN passing of R. M. "Spike" Evans on November 21 saddened thousands of Corn Belt farmers. Like the closing of a heavy door, it finalized the sense of loss they all felt when "Spike" was turned down for U. S. senator in the recent election.

They had known him for years as one of the stalwarts in agriculture's never-ending struggle for justice. "Spike" first put on the harness back in 1933 with the old Iowa AAA. Over the years, he served in various capacities with the U. S. Department of Agriculture. From 1942 to 1954, he was agriculture's representative on the Federal Reserve Board.

Early this year, "Spike" became so alarmed at the downward drift in farm income that he finally agreed to campaign for the Senate. He had retired near Lake Okoboji and was in no need of a Senator's salary. But he felt that Iowa needed better representation in Congress.

It will be many a long day before farmers again have such a staunch champion in the high councils of government at Washington.

A Bewildering Choice

ONE of my neighbors says the corn referendum has him thoroly confused. He's got plenty of company.

In the first place, one of the programs to be voted on—the soil bank base acreage plan—is difficult to explain because it offers more than one method of compliance. (See page 40.)

Second, while this plan at first glance appears to be an easy choice because of the way it is usually presented, close study reveals several serious disadvantages.

The worst one is that the plan, if adopted, goes for three years, with the Secretary of Agriculture empowered to cut the loan rate still lower in 1958 and 1959 if he chooses. A good many farmers, otherwise sympathetic to the administration, really shudder at this possibility.

Men who are heavy livestock feeders probably are most undecided on how to vote. This is because many of them are never quite sure in their own minds whether abundant supplies of cheap feed wouldn't be better than smaller supplies at higher prices.

Some of them feel that they should not be expected to comply anyway, since they feed all the corn they produce. They take the attitude that they are not responsible for surpluses. This singular view may be right so far as grain prices are concerned, but it certainly is in error with respect to livestock prices.

However, experienced livestock men who take a long-run view understand this very well. They will favor the plan which they think may result in greater compliance, even if they don't aim to take part themselves.

Men on the smaller farms may be initially attracted to the base acreage plan because of the argument that it permits them to plant up to base, that is up to one-third more corn than under the allotment plan. This is true, but they'll have to pay a fairly stiff price to do so. An amount of land equal to 15 percent of the corn base must be put into the low-paying "conservation reserve" for at least three years. And these acres must "stay put." They cannot be worked into the rotation thru substitution of other similar acres after 1957.

In addition, for at least three years, hay and pasture acreage elsewhere on the farm must equal the average area in these crops during the preceding two years.

What a pity that rewards for compliance with this feature of the soil bank are so inadequate. It could effect real production adjustment if given a chance.

Will either plan, as now outlined, result in sufficient compliance and the needed boost in farm income? Many farmers say "No." Thus, they feel it will be almost useless to vote.

In a way, of course, these men would be voting by not voting. They would be serving notice on Congress that they want further work on the farm laws. But they'd better say this out loud beforehand, or their non-participation could be misunderstood.

Another view is that farmers disliking both plans should vote anyway for the acreage allotment plan. The 1938 law providing for allotments carries no termination date, but the most vital soil bank provisions are due to expire in 1959. Thus, if the soil bank base acreage plan should be approved and if Congress subsequently did not enact new legislation, the Corn Belt could end up without any program.

With Benson at the helm, we are almost in that fix right now. Just the same, he has his supporters who yearn to give unbridled production a try. They seem to think that they could somehow outrun the falling prices that would surely result. Maybe so, but I'm still skeptical.

—*Art Thompson*

Lower Grain Props?

FEED GRAIN support prices may be lower in 1957 as a result of the government's decision not to offer loans again on non-compliance corn.

Under the soil bank act, it was provided that if non-compliance corn loans were in effect in 1957, then the support for oats, barley, rye and grain sorghums should be not less than 70 percent of parity. But since such corn loans presumably will not be in effect, the Secretary may again set the small grain supports at whatever level he chooses.

Effect Of New Counties

SOME FARMERS are inclined to vote against acreage allotments in the corn referendum because of the recent addition of 54 counties to the nation's commercial corn area.

It is hinted that under the acreage allotment plan, proportionate shares of individual farmers will be substantially smaller. One is left with the impression that the enlargement of the county list will not affect the sub-division among individual producers if the national soil bank base is approved.

In the first place, the corn acreage in the added counties during the past five years has averaged only three percent of the area planted in the 840 old commercial counties. And the production in bushels of the new areas amounted in the same period to 1.6 percent.

Thus, the effect this year on the computation of allotments will be small. Moreover, this effect will also show up in the soil bank base acreage figures since the sub-division formula is the same under both plans.

A penful of fear— **Young pigs on the Louis Larson farm, Washington county, Iowa, await their turn with the vaccinating needle. With cocked ears and suspicious eyes, they listen to awful screams of the first ones in line. "It's real 'tormention', fellows."**

Odds and Ends . . .

. . . FEDERAL inspection now extends to more than 82 percent of the nation's hog slaughter, 74 percent of the cattle, 60 percent of the calves and 89 percent of sheep and lambs.

. . . "THE ELECTION proved that it is not necessary to have peak agricultural prosperity parallel urban prosperity . . . . The administration's policy of letting him (the farmer) seek his 'normal' place in the economy means bigger farms and larger investment in farm mechanization and a resulting acceleration in the trend of population movement from rural to metropolitan areas." —James D. Downs, Jr., chairman of Real Estate Research at Chicago, November 8, 1956.

. . . ARE THE AMERICAN people actually capable of consuming all of the tremendous mass of goods which our industrial economy can now produce? Dr. Reavis Cox of the University of Pennsylvania is doubtful and suggests that the problem be studied.

. . . FOR THE FIRST eight months of 1956, cash dividends of corporations were 15 percent higher than a year earlier. Nearly every industry group reported increases, with the greatest gains registered by autos and non-ferrous metals.

. . . NINE STATES, including Iowa, now have at least 98 percent of their farms equipped with electricity. For the nation, the proportion now is near 95 percent, compared to 11 percent in 1935, at the start of the rural electrification program.

. . . DESPITE THE boom, business failures this year, especially among retailers, have been running ahead of 1955. According to Dun and Bradstreet, such failures during the first 10 months of 1956 stood at 11,065, about 17 percent higher than for the same period a year earlier.

. . . WATER contaminated by an atomic bomb explosion can be made safe for emergency drinking purposes by treating with coal tar and petroleum derivatives. The cost would be less than a dime for one quart of water, according to a recent report before the American Chemical Society.

. . . A BETTER method of computing parity income for farmers is advocated by Herschel D. Newsom, Master of the National Grange. This new standard, says Newsom, should allow a fair and equitable return on labor input and capital investment in agricultural productive effort.

Song of the Lazy Farmer

SOME optimistic folks contend that we could very quickly mend the surplus ailments that beset most farmers and keep us in debt. Just take the extra stuff, they say, and use it in a brand-new way; make motor fuel from out of corn, put cotton that cannot be worn to work somehow in industry, or hunt the world around to see if there ain't something else to grow besides the same old crops we know. I think "chemurgy" is the name most often used by those who claim that using more, not growing less, is how to solve our surplus mess.

This plan is fine in theory, but even so it seems to me that there ain't too much evidence 'twould help in dollars and in cents. I doubt that it would help at all to use more corn for alcohol, our preacher keeps reporting how that market's saturated now. And any brand-new crop that would bring profits that were very good would soon be grown in such supply that it would also pile up high. No sir, I think my farming plan is still the best devised by man: Work half as hard and there would be no surpluses at all, by gee.

Dusting church furnace is Henry G. Gabrielson of Hamilton county, Iowa. He is a retired farmer with a part-time job at church.

Retire, but stay busy

Make plans now for busy but happy years after you retire

by **Ray Franklin**

RETIREMENT should be a time of enjoyment—doing the things you like to do. And an end to doing things you don't like or have to do.

Many farmers have retired—for a year or two—then moved back to the farm. They had not made adequate plans to stay busy and useful.

Most of you could retire—and sit around doing nothing—for a while. But you would soon feel useless, and move back to the farm or look for a full-time job.

"If I'd quit working entirely after I retired, I'd have been dead long ago," says H. L. Savage, Boone county, Iowa.

Savage rented his farm several years ago but still lives on the farm. He fixes fences, repairs farm buildings, and has a few cows and a laying flock. But the farm work is done by a neighbor on a crop-share basis.

A Keokuk county, Iowa, retired farmer, S. H. Axmear says, "I can sit and sit and sit and never worry. But I can't sit around here and watch all the farm work without fretting." That's why he's planning to do some traveling this winter. He wants to see the south.

Axmear thinks he may look for a small business to invest in. Maybe a restaurant or something.

Being able to relax after you retire is important. And you can relax if you are busy doing something you like to do.

Start now making plans and figuring ways to stay busy after you retire.

Here are suggestions which might help you plan a happy, busy retirement.

Develop hobbies:

Several hobbies are better than only one. Start now to develop interesting hobbies.

Reading can be a gratifying and relaxing hobby. But, you have to develop an interest in reading.

You can't just stop work, pick up a book and be happy with it. You'll like certain types of books, but it takes a lot of reading to find out what you like best.

Axmear does a lot of reading. He subscribes to several big-city newspapers.

Reading is one hobby which won't cost much. Most good books can be borrowed from libraries over the state.

Local sports events can be entertaining. "I like to go to basketball games," says Henry Gabrielson of Hamilton county, Iowa. He also watches sports events on television.

Taking pictures is a fascinating hobby. But it costs more than some other hobbies.

"We do a lot of traveling and make moving pictures," says Bill Yungclas, also of Hamilton county. "After we get too old to travel, we'll have the pictures of what we've seen and can sit around and enjoy them," he adds.

Part-time job:

You may want to work part of the time. And such jobs are available in most communities or small towns.

Gabrielson retired when his son got home from World War II. He moved to town.

He took a job as custodian at the Lutheran church, a job he has had since then.

He says, "I knew I had to stay busy after moving off the farm. So I took this job. And since my son is on the farm, I help him when needed. I do most of the work in keeping up farm buildings and fences. And now I help the local undertaker conduct funerals."

Gabrielson stays busy, but his jobs are part-time jobs, and he can do as much work as he feels like doing.

His advice is to stay busy after you retire and you'll be happier and live longer.

Bill Yungclas helps on the farm when needed. Two sons operate the farm on a partnership basis.

Many farmers like Savage stay on the farm and stay busy with chickens, garden, laying flock and doing repair work.

This is a good arrangement if you can get a good tenant and keep the farm house. But most good tenants need a house too. So you may not be able to plan on living on the farm.

There are plenty of community service jobs you can do. Work for the church, farm bureau, extension councils, and other organizations.

You can help with community chest, crippled children and other fund raising compaigns.

"I'm an easy touch when it comes to public service jobs," says Yungclas. He has had his share of them in recent years.

But if you expect to be of service to your community, start now. It will be hard to move in and start doing these public service jobs unless you develop an interest in them now.

You won't be paid for these community jobs. But the satisfaction you get from staying busy, and meeting new friends should be rewarding enough.

Small business:

You may prefer a small business to part-time work.

Maybe you have become efficient enough in your hobby to go into business. Such hobbies as antique furniture, wood working or a small greenhouse could lead to a good business after you retire.

But, to be successful in a retirement business, you should study the possibilities. And thoroly plan your operations in advance.

You should have real knowledge of the field you select. And if capital is needed, your financing should be adequate.

Preferably, you should have the business set up, and in operation, by the time you retire.

Plan your recreation:

If you don't like to fish, you wouldn't enjoy a fishing trip to the best lake.

The important thing is to get plenty of rest and relaxation. And recreational activity—which you enjoy—is relaxing.

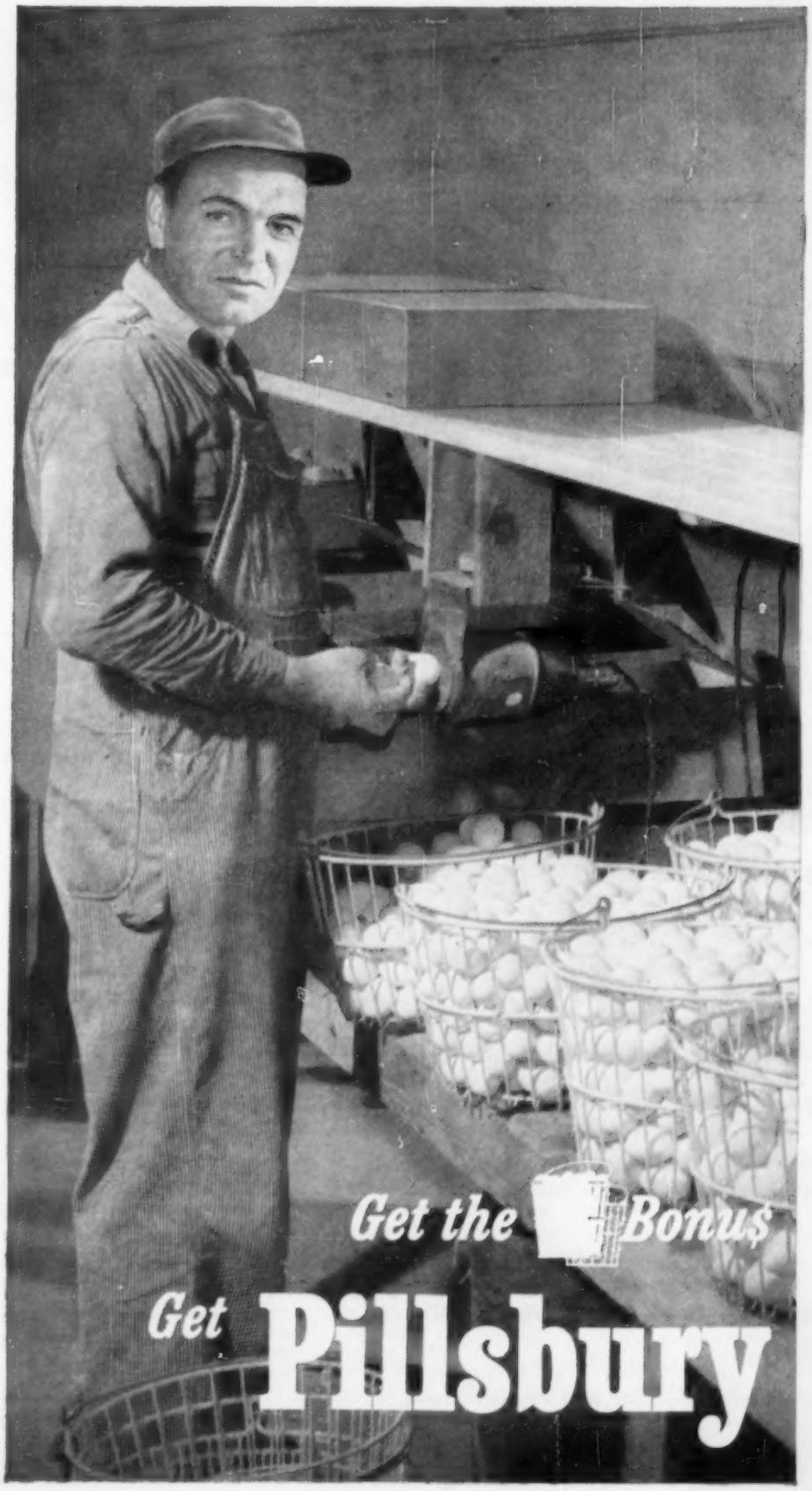
"Some farmers retire and think they can fish for the rest of their lives, but they soon get tired of it," Yungclas says.

Several recreational activities are much better than one. But start now to develop your interest in those you like.

Remember retirement is a big change for you. And the better plans you make now—the happier you will be. Your retirement years could be your best years.

39% more egg laying energy in Pillsbury's *new* Maxi-Lay Feeds

Another Pillsbury Feed Bonu$



New HC/P feeds help you get more from your top producers*

Standard laying feeds are outdated! Why feed that old-fashioned mash to modern, high production layers? Here's the feed that'll get *out* of your birds all the egg production that good breeding put *in* them. It's Pillsbury's new line called Maxi-Lay.

Maxi-Lay brings you the laying energy, balanced with higher protein, increased vitamins and minerals that today's laying breeds demand.

*High Calorie/Protein—the perfect balance.

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1. **39% MORE LAYING ENERGY!** More calories per pound of feed to help you get more eggs, yet keep feed intake down.
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3. **TWICE THE VITAMIN POWER!** Combines with arsanilic acid to promote vigorous good health and more efficient egg production.
4. **IMPROVED MINERAL BALANCE!** Helps maintain body mineral reserves through heavy production period . . . improves egg quality, shell texture.

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You name your favorite feeding method: mash-and-grain, or a complete ration program. Then check your Pillsbury Feed Dealer for the Maxi-Lay Feed *right for you.* It'll sure pay.

PILLSBURY MAXI-LAY CONCENTRATE—for mixing with your home grains.

PILLSBURY MAXI-LAY MASH—for feeding 50-50 with grains.

PILLSBURY MAXI-LAYERATION—the complete, one-trip ration. All grains, protein and minerals are already mixed (balanced just right)—in the bag.

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Pillsbury Mills, Inc., Feed & Soy Div.
Headquarters, Clinton, Iowa

Before planning next year's crops you'll profit by taking these 3 steps:

1. See your agricultural adviser. One of your most important considerations is the fertility of your soil. Your agricultural adviser knows the nature of the soils in your area. He also will advise you on soil testing—how to take the sample, how to get it properly analyzed, and the amount of plant food your soil needs.

2. Take a soil sample. A good soil *analysis* depends on your taking a proper soil *sample*. That's why it is important for you to follow carefully your agricultural adviser's suggestions for sampling your soil. A little extra care in taking your soil sample can re-pay you many ways.

3. See your fertilizer dealer. Your next step is to see your fertilizer dealer. He can help you decide which fertilizer mixture you will need to bring your soils up to full production capacity. And when it comes to the nitrogen you need, your dealer can recommend Phillips 66 Ammonium Nitrate with confidence.

...and when conditions call for nitrogen, be sure to specify

Workday pointers

CLEAN CHIMNEYS or flues reduce fire hazards for wood or coal burners.

▼ ▼ ▼

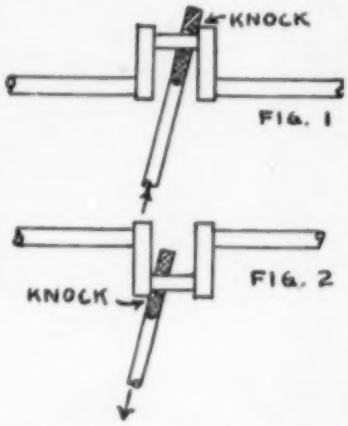
GREASE SPOT on wallpaper? Try this: Lay a blotter over the spot, and apply a warm iron.

▼ ▼ ▼

PLOW BOTTOMS should be blocked up off the ground even when in the shed. If under dirt, rust may get a start.

▼ ▼ ▼

MOTOR KNOCK yet bearings are tight? Noise can be caused by bad alignment as well as by loose or worn bearings. If the line of travel of the piston does not exactly cut the center of the



bearings there'll be a knock at each end of the stroke as shown here. Check for mis-alignment when you look for a knock in the motor.

▼ ▼ ▼

RUBBER TIRES will stand the winter better if machines are blocked up to take weight off the casings.

▼ ▼ ▼

IF NEW CORN is down to 13 percent moisture, you can shell this winter and keep the corn thru next summer. Higher moisture content is unsafe for keeping longer than thru the winter.

▼ ▼ ▼

FOR APRIL PIGS, start breeding sows about December 8 or 9.

▼ ▼ ▼

SORGHUM GRAIN has about the same feeding value as corn pound for pound. It's a little less palatable, however. And sorghum should be ground for best results.

▼ ▼ ▼

LARGER FARM or more land to farm doesn't always solve the farmer's income problem. It's certain to help only when bigger operations make possible better use of existing machinery and labor. Figure carefully before you take on land that will require hired labor and more machinery.

▼ ▼ ▼

IF YOU FEED fattening cattle high class roughage, they may eat too little corn for fast gains. Ration the roughage unless you want to make slower gains on rough feed. The slow gains may pay on young cattle but not often on heavy cattle.

BREED COWS now for fall freshening and biggest annual milk production.

▼ ▼ ▼

TRACTOR BATTERY should be removed and stored for the winter if the tractor is not used regularly.

▼ ▼ ▼

AN OPEN SHED is better than a tight barn for western cattle just arrived in the Corn Belt. They're used to open quarters. A steamy, poorly ventilated barn may lead to lung or respiratory troubles.

▼ ▼ ▼

OATS is a good starting grain for livestock to be fattened. Ground ear corn is good too. If you change from either to shelled corn, make it very gradual over several weeks time.

▼ ▼ ▼

FOR HIGH PROFIT beef cow herds, mark the calves at birth, and keep weight records to weaning time at least. Then sell the cows that produce small, slow-growing calves.

▼ ▼ ▼

CAN CHEESE substitute for milk in the diet? Nutritionists say that five ounces of cheese contain the food value of one quart of milk. Considered in the food value are elements for energy, muscle, teeth, bones and health protection.

▼ ▼ ▼

SHRINKAGE of three to four percent in weight can be expected if animals are held off feed and water for eight to 12 hours.

▼ ▼ ▼

MONKEY WRENCH can be wrongly used. Always keep the open end of the jaws in the direction toward which you push or pull.

▼ ▼ ▼

WHAT QUALITIES do you want in your hogs? It's probably most important to have the kind that will produce big litters of

fast growing pigs. You know you'll get paid for that. Then get as much of the medium, or meat-type conformation as you can.

▼ ▼ ▼

CATTLE FEEDING lots should be arranged to avoid muddy conditions as much as possible. In one test, cattle in a mud-free lot gained about 35 percent more per day than cattle in muddy lots. Test was made in a wet season. Little difference was found when the season was very dry.

▼ ▼ ▼

WITH MOST LIVESTOCK, grinding grain to a fine, floury mass does not increase palatability or digestibility. Medium fine or coarse grind is as good or even better. Save the power and time.

Who Sets Livestock Prices?

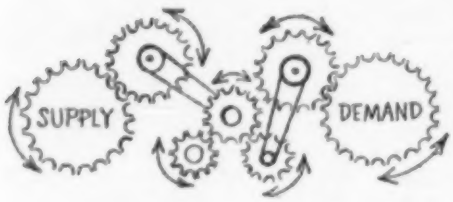
by FRANCIS A. KUTISH
Extension Economist
IOWA STATE COLLEGE

A year ago, with hog prices dropping toward a dime a pound, a Corn Belt farm editor wrote:

"Present hog prices were made almost a year ago when sows were bred for 1955 spring litters. And present breeding plans are determining what hog prices will be in the fall of 1956."

In other words, supply is a big part of the answer to the question: "Who (or what) sets livestock prices?" The other part is demand—how much consumers can, or will, spend for the meat you produce.

Sounds simple, doesn't it? Trouble is, though, that neither supply nor demand is just one easy-to-see thing. Both are made up of many moving parts . . . and each part keeps changing speed and direction.



It's the way all the pieces happen to fit together at the time you sell that determines how much you get for your livestock.

The supply-and-demand machine can look mighty complicated. And it isn't always easy to figure out just what it's doing. But we can clear up much of the mystery by taking a good look at the main gears.

Let's start with demand:

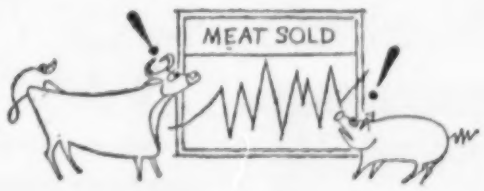
Main thing here is the number of dollars in consumer meat budgets. That depends on total income, because meat-eaters keep spending about the same percentage of their earnings for meat.

But consumer income doesn't change much from one day or week or month to the next. So when livestock marketings go up, about the same number of dollars are stretched over a larger meat supply—and prices have to give. Then when marketings go down, consumers pay higher prices for the smaller meat supply.

Weather, religious belief, seasonal habits, personal taste, the availability and cost of many foods which can be used in place of meat—these also have a bearing on how much Mrs. Homemaker spends at the meat counter.

Now let's look at supply:

Each livestock raiser has his own ideas about how much to produce and when to sell. With several million separate decisions being made, there's bound to be a lot of ups and downs in the amount and kind of meat sold.



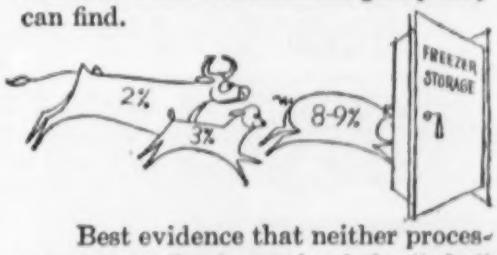
For example: Production—and therefore marketing—runs in cycles over a period of years and changes seasonally within a year. There are wide shifts from day-to-day and week-to-week, too—because of rain, snow, heat, drouth, holidays, crop conditions or your own opinions on the best time to sell.

Put these demand and supply gears together and it's easy to see how suppliers and demanders—producers and consumers—determine livestock and meat prices. Does this mean that the folks in between—meat packers and retailers—have no say at all?

No; but it *does* mean that their influence on prices is small and temporary—because they neither produce nor consume livestock products.

Storage of meat by packers, for instance, can affect supplies of certain kinds and cuts during the short periods when meat moves into freezer storage or out again. But the net influence is small over the long run—peak storage seldom exceeds 2 per cent of a year's output of beef, 3 per cent of lamb and mutton, 8 to 9 per cent of pork.

Many producers ask this question: Don't buyers sometimes get bargaining breaks because they have "inside dope" on market conditions or because competition at some points is scarce? The answer is "no"—unless livestock raisers fail to take advantage of all the marketing information available to them, or don't shop around for the best outlet and the best marketing help they can find.



Best evidence that neither processor nor retailer is much of the "who" in the question, "Who sets livestock prices?" is that both have lots of competition: More than 3,000 packers and 10,000 other commercial killers; and over 300,000 retail stores where meat is sold.

That means no one meat packer can get away with low-price buying—or retailer with high-price selling—for very long. If they didn't get back into line in a hurry, informed producers and consumers would simply deal with someone else.

* * * * * *

Mr. Kutish analyzes meat supply and demand in more detail in a booklet called "What Governs Livestock Prices?" For your free copy, write to Agricultural Research Department, Swift & Company, Chicago 9, Illinois.

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101 ST YEAR
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This rugged new engine has been added to the Wisconsin line to fill the horsepower gap between the Model VF4 25 hp. and the Model VG4D 36 hp. Wisconsin Engines. At the same time, the mounting base is dimensionally identical to the Models VE4 and VF4 to permit convenient replacement of the latter engines if greater power is required.

The Model VH4, which now makes its bow for the first time, is the most powerful engine of its type and size available today, in our estimation. It is an engine of basic High Torque design which gives it the important advantage of being able to deliver maximum usable *Lugging Power* that carries the load through the hard, heavy pulls. It has been designed to give you the best possible performance at all engine speeds from 1400 to 2800 rpm., even when operating under intermittent shock-loads or under constant load, continuous service.

The Model VH4 is a heavy-duty engine in all respects, built for hard service under all operating conditions, at temperatures from sub-zero to 140° F. (60° C.). It is an exceptionally smooth-running, even-firing engine and has all the traditional heavy-duty features that characterize all Wisconsin Models, from 3 to 36 hp. It can be supplied as an "open engine" with side-mount fuel tank, or as housed power unit and may be equipped with electric generator and starter (or starter only), clutch, reduction or clutch-reduction assemblies . . . and is adaptable to operation on a variety of fuels such as gasoline, kerosene, natural gas, Butane, Propane or fuel oil of 35 Octane rating or better.

Learn more about this new engine. Write for Bulletin S-196 for detailed data and engineering specifications.

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Fully adjustable to fit any size sow. Steel fabric sections, with rugged supporting angle irons, lock together — no bolts. Erect in any hog house in less than 30 minutes. Cost less than rough lumber. Easily dismantled — use very little storage space. MONEY BACK GUARANTEE.

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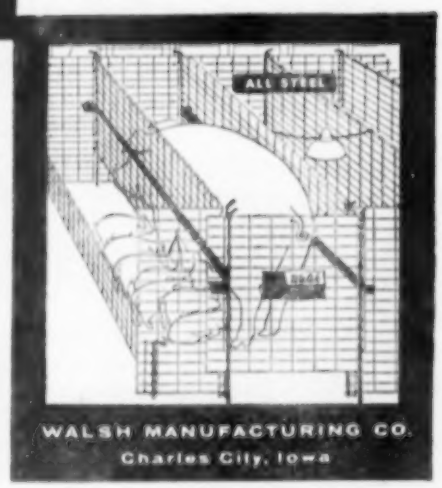

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Drouth force cow sales?

No tax on forced sales of dairy and breeding stock if money re-invested

INCOME tax rates on 1956 income will be the same as for last year. For married folks, filing jointly, rates start at 20 percent on the first $4,000 and reach 30 percent on amounts over $12,000.

These percentages apply to income after deductions and exemptions. Rules for computing taxable income are generally unchanged. But there are a few changes that should be noted.

One new U. S. income tax ruling benefits those who have sold dairy or breeding stock because of drouth.

You pay no tax at all on money received from such sales if you reinvest the money in the same kind of livestock within a year after the end of your tax year.

For calendar year basis taxpayers, that means that you have all of 1957 to re-invest money from sales in 1956.

Here's the way you make your return to save taxes on dairy and breeding stock sold in 1956.

List all sales of dairy and breeding animals. Then state how many you would have sold under normal herd management. These can be reported under the capital assets rule if held 12 months. Half the gains are taxable.

Next list remaining dairy and breeding stock sold because of drouth. This total is left out of your gross income if you state on the return that you'll re-invest in like kind of animals.

Use of this rule is a tax saver for some farmers in the drouth areas. And here's another tax saver that's fairly new that may help farmers anywhere.

Entire cost of new cribs or bins can be deducted in a period of 60 months.

This applies, of course, to grain storage of any kind, wood or steel, bought or built in 1956.

Way to figure this deduction is to take the full cost of the grain storage unit, including cost of labor hired, and divide by 60. That's the per month deduction.

If you built the unit in September this year, you could deduct for three months. Next year, a full 12 months deduction would be taken.

You have a lot of choices, however, about this grain storage amortization plan.

You can start the 60-month deductions at the beginning of your next tax year if you prefer. Or you can elect to ignore it and use the regular depreciation schedule.

You can also change from amortization in 60 months to the usual depreciation schedule after a year or two.

And it should be remembered that the rapid amortization privilege can be passed on to another owner if the storage unit is sold. The new owner can use what's left of the 60-month period.

Many other income tax points such as the above are covered in a new farm account and income tax information book described below.

WANT TO SAVE TAXES?

Get our account book with income tax information.

Author of "Farmers Tax Saver" is Jack Miller. He is a tax expert who has just been elected to the Iowa Senate from Woodbury county, Iowa. Mr. Miller is former chairman of the American Bar Association's Committee on tax problems of farmers. He is now putting the "Farmers Tax Saver" up to date on Social Security and other changes in income tax laws.

HOW CAN FARMERS TAX SAVER HELP YOU?

1. **It provides space to write down receipts and expenses. Items are classified as on tax returns.**
2. **About 40 pages of income tax explanations, tax tables, depreciation schedules, etc., are included in the book.**

HERE'S HOW TO GET YOUR COPY

Send $1 to Income Tax Editor, Wallaces' Farmer and Iowa Homestead, 1912 Grand Avenue, Des Moines, Iowa. Your copy will be mailed this month postpaid.

SAVE YOUR LIFE!

Hurrying — to the point where you take chances—isn't worth the risk. Witness the case of Jim Peterson who wanted to finish sawing wood by noon. Reported by Norval J. Wardle, Iowa State College safety specialist.

"ABOUT another hour of cutting, and we will have this wood all cut. We should make it by noon, shouldn't we, Frank?" Jim Peterson paused for a moment to speak to his neighbor, Frank Murphy, who was helping him cut up wood for fuel.

"Yes, but we'll have to hurry to finish by noon—only 45 minutes left. Let's get going," Frank replied.

"Oh, don't get in such a rush," Tom, Jim's 15-year-old boy, said. "We found out in Ag class at school that hurry causes accidents."

"Yes, and you also said saws should always have shields on them," piped up seven-year-old Ted.

"Oh, bunk!" said his dad. "We are watching that saw. I don't want to get my hand cut. How about you, Frank?"

"No, sir. I don't plan to have a hand cut off with that saw. It cuts too fast. Start the saw. Let's have a log."

The saw started with a whirr and then settled into a steady hum at full speed. They picked up a log and put it on the carriage. Jim pulled the saw into the log. There was a whirr and increased noise as the motor accelerated to take the load.

Sawdust flew, and the saw bit rapidly thru the log. A section fell to the ground.

The sections piled up, and Jim kicked a log section away as it piled up under the saw. Then another and another. Each time he pushed the section of log away, his foot passed closely under the saw.

Then Jim felt a jar on his foot. There was a stabbing pain in his foot, and it was numb.

Jim's foot was saved altho it was badly mangled. He didn't finish the sawing.

Always use guards on power saws.

Never allow cut pieces of lumber to pile up under a saw.

Always stop the saw to move cut sections from under it. It is best not to allow cut sections to pile up under the saw.

Never depend on the belief that "accidents do not happen to me."

FROM STARTING TO LAYING . . . IT'S THE

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THAT MAKES THE *EXTRA PROFITS!*

YOU FEED FOR QUALITY . . . ALL THE WAY WHEN YOU FEED THE VICTOR WAY

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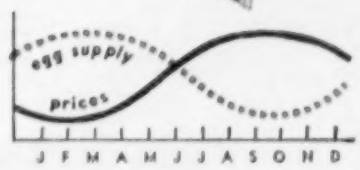
KEEPS 'EM RIGHT!

VICTOR CHICK STARTER furnishes your chicks properly balanced and blended nutrients essential to maximum livability and vigor . . . chicks that grow and mature fast . . . that develop early into hens with a high yield of quality eggs.

That's the kind of feed you want for YOUR chicks to *start* 'em right AND . . . the complete VICTOR FEEDING PROGRAM will help *keep* 'em right. So . . . from the first day, feed your chicks VICTOR CHICK STARTER — and plan ahead for best profits from your flock.



"TIMED-MARKETING" is vital . . . if you are to have a profitable poultry operation. The graph above shows yearly egg supply fluctuations in comparison with the fluctuating *price market. Prices are up . . . when the supply is down.* Usually, the producer who starts his chicks early reaches peak egg production during those months when prices are highest. "TIMED-MARKETING" can make a profit for you in eggs . . . when others are just "getting by."

FREE

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Pound for pound and horsepower for horsepower the new McCulloch D-44 has no equal. Here's an *all new* saw that combines lightweight design with direct-drive speed and power. It's backed, of course, by recognized McCulloch dependability!

The D-44 is "center balanced" for easy cutting in any position. Just lay the blade on the log and the saw does the rest. An ideal chain saw for loggers, farmers, sportsmen—anyone who cuts wood and brush.

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BURLINGTON...Siems Farm Equipment Co., Inc., 1212 Agency Street
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WEBSTER CITY.....Nelson Motors
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WEST UNION.....Garvin Hardware

Service Bureau

How Much Of Steer Is Steak?

To the Editor: We are planning to butcher a beef for home use. How much steak can we expect to get? —Mrs. B. N., Fillmore county, Minnesota.

USDA figures show that you can expect 24 percent of the dressed carcass to be steak, 32 percent roasts, 24 percent other edibles and 20 percent waste.

The 24 percent that is steak breaks down as follows:

Ten percent round steak, eight percent sirloin, and the other six percent porterhouse, T-bone and club steak.

Can't Get Wool Payment

To the Editor: I sold two unshorn lambs in 1955. My unshorn lamb wool incentive payment came to $1.42. But the local ASC office says they can't make a payment unless it is $3.00 or more. Is there any way I can collect this wool payment?—Mrs. C. S., Peoria county, Illinois.

No. The law which authorized the incentive wool payments limits payment unless it is $3.00 or more, says the Iowa state ASC office.

May Have To Pay Hail Insurance

To the Editor: Last year I wrote the hail insurance representative to cancel my policy. Last June the company sent a man out to my farm. He made my father-in-law sign the crop report. And now they are trying to collect another premium. Will I have to pay the premium? —G. F. W., Tama county, Iowa.

You should talk to a local attorney about paying the premium. If he thinks you owe it, then you'll probably have to pay it.

But, when you cancel any type of insurance policy, write direct to the home office of the company. This notice to cancel a policy should be sent by registered mail, with a return receipt requested. This way you can be assured that the insurance company gets the notice.

"Man, that's going to be long, pole-type building."

INCREASE FARM PROFITS!

KILLS CORN BORERS by pulverizing, mulching and firming soil on cornstalks that have been plowed under — corn borers are smothered in ground. Saves time, labor, horsepower, preparing ideal seedbed. Leaves surface mulch without grooves to help prevent washing. Seedbed conserves moisture — more seeds grow. Helps increase yields of all crops. SEEDBED MAKER has 3 in 1 Combination spring tooth harrow, sprocket packer and mulcher with seeder available. Once over your plowed field with this machine does the ideal job. Write today.

TRAILER MOUNTED FOR POWER TAKE-OFF. Has traveling feed table. Especially designed for grinding or chopping larger quantities of loose or baled hay and any roughage. Comes with or without Trailer Mount and P.T.O. Both cutter knives and heavy swing hammers. Grinds any feed, wet or dry, snapped or ear corn, roughage bundles or baled flakes with farm tractor. Write for details.

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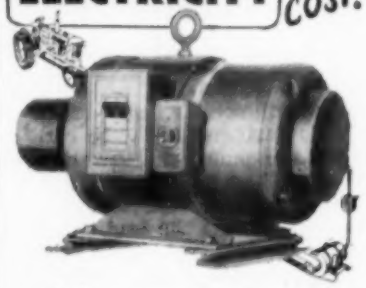

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NO MORE BLACKOUTS! An Onan Tractor-drive Generator supplies regular 115/230-volt A.C. power for lights, heating system, milker, brooder, food freezer, water pump *and all essential equipment* for as long as you need it. FOUR MODELS: 3,000, 4,000, 7,000 and 10,000 watts. Complete with belt pulley, double-throw transfer switch, circuit breaker, plug-in receptacle and voltmeter. Like any other electrical equipment, standby generators must be properly installed. An Onan Tractor-drive Generator includes a manual transfer switch *which automatically assures a safe installation.*

For farms with frequent power failures, Onan builds gasoline-engine-driven electric plants from 500 to 50,000 watts.

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NU-WAY, BOX 552, SIOUX CITY, IOWA

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Satisfaction Guaranteed

VAN AVERY Sport Goods, 1512 Harney, Omaha, Nebr.

I WAS JUST FIGURING...

—by Cy Watkins

If there's anything in animal nutrition that's been worked right down to a science, I think it's the feeding of layers. I suppose that's because they're easy to get test results from . . . the egg is either there or it isn't.

So the scientists get their information right on the button . . . and it's easy to see that a ration that produces 8% more eggs for 2% more cost is a good investment. When you're getting test information from, say 5,000 birds, it's easy to see when you've got the **right** amounts of carbohydrates (energy), proteins, and other factors such as minerals and vitamins. If it's wrong, the "wrongness" is easy to see.

Along with colleges and other companies that are interested in the feeding of layers, Watkins runs its own, independent tests. Probably the most important difference between the tests Watkins runs and others is this . . . we try to run them under **practical** conditions of sanitation, housing and management. These birds are **not** housed in a glass, tile and concrete air-conditioned house. They **do not** have a vet continually taking their temperature. They live in the same style their sisters do in hundreds of thousands of laying houses throughout the country.

I bring this up because Watkins has found what I figure is the ideal layer feeding program. It doesn't FORCE birds with too much energy. Yet it still gets top results steadily . . . over many, many months. It helps prevent mid-winter laying slump because it provides the nutrients which are needed to HOLD high production.

But most important, it produces eggs at such a low cost that you just can't help making money on them . . . and in spite of all the gibberish about high-energy, energy-protein ratios and magic ingredients, that low-cost production is what **really** counts.

On a large survey of Watkins customers, the average production for the test period was 73%, 4.06 pounds of feed per dozen eggs . . . for a feed cost of only 13.52c per dozen eggs. Now I claim that you can make a PROFIT on that kind of production.

The layer ration I'm talking about is made from Watkins Min-Vite for Layers, a MINeral-VITamin concentrate which supplies the efficiency factors needed to balance home-grown grains. I hope you'll talk it over with your Watkins Dealer.

The J. R. Watkins Co., Winona, Minn.

". . . . well, last year, we made $2.18 . . . . on paper."

Outside stuff

MIDSUMMER rains and a late, dry fall resulted in some "believe it or not" oats stories. Several farmers harvested volunteer oats for silage.

And over in Guthrie county, Iowa, Clint Hall combined 25 bushels of oats per acre on November 3.

Quality wasn't anything to brag about, Hall admits. The oats were light in weight. But any kind of feed is welcome when you're in a drouth area.

Grasshoppers clipped the oats heads in July, Hall says. And the late fall gave him a chance to harvest the volunteer regrowth.

• • •

IN Dubuque county, Iowa, the H. L. Ganfield family this year is celebrating the 100th anniversary of the Ganfield family farm. The sixth generation of Ganfields now is living on the farm.

Century-old family farms are becoming less rare as Iowa grows older. But the century milestone is no less important to those families that pass it.

• • •

SOMEHOW, the idea gets around that school reorganization always results in higher taxes for farmers. But that isn't always the case.

Folks down in my old home community, for example, were surprised to find that taxes will be lower if the proposed school reoganization plan goes thru.

Estimates show a school tax levy of about 17 mills under the reorganization plan. That's nine mills below the present average. Some folks are paying more than average at present. And some are paying less.

• • •

"I WAS ready to throw in the towel a couple of weeks ago," a young northern Iowa farmer told me when I visited his farm.

"But that's the thing about farming," he grinned. "Before you can get out of it, you've changed your mind again." He was breaking in a brand new three-bottom plow and tractor.

—Dave Bryant.

A spreader for every farm need

NO. 19 — 125 BU. PTO

NO. 200 — 95 BU. PTO

NO. 17 — 95 BU.

NO. 18 — 70 BU.

NO. 10A — 75 BU. 4-WHEEL

NO. 101 — 10-FOOT FERTILIZER SPREADER
Also Five Other Models

Look at NEW IDEA spreaders before you buy

The finest you can buy . . . yet cost no more. FIRST in Performance . . . in Value . . . in Sales!

Most farmers know that NEW IDEA spreaders are the finest made. But be sure you see the new models before you buy. They're better than ever.

Today, NEW IDEA engineering, with severe field testing and latest designing, has made possible the finest quality ever, yet has succeeded in keeping costs down. See these new spreaders right away.

First in Performance. Only NEW IDEA spreaders have so many features that give best spreading. Such as triple staggered U-teeth and specially designed replaceable paddles. Your NEW IDEA dealer will gladly prove that, with comparison charts.

First in Value. Only NEW IDEA has so many features that insure longest life. And there's a full year guarantee. Those long-life features are the reason a NEW IDEA spreader brings highest prices at trade-in time.

First in Sales. Unmatched performance and value are why farmers buy more NEW IDEA spreaders than any other make.

See these new spreaders at your NEW IDEA dealer's. Compare the facts about them. And you'll agree that it's just good business to get one of these newest NEW IDEA spreaders.

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DRINKING WATER WORMER

Worm-free Hogs Can Make You Up To $6.00 Per Head More Pork Profits!

WORM FALL PIGS NOW!

One Day Herd TREATMENT

Genuine full strength Walko Piperazine Drinking Water Wormer gets large roundworms fast! Non-toxic, simple to use — just add to drinking water. No fasting, no drenching, no powders, nothing to mix with feed. No upset to feeding program. Even weanling pigs keep right on eating and gaining faster than ever — also best for worming sows before farrowing.

Insist on Walko Piperazine Drinking Water Wormer — now at your druggist or animal health dealer.

. . . and a wonder wormer for chickens and turkeys, too. No fuss . . . no mess . . . pays for itself hundredfold. Just add to drinking water for 1 day flock worming.

Satisfaction Guaranteed!

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Waterloo, Iowa

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KEEP MOISTURE IN YOUR FIELD with the GRAHAM PLOW

The GRAHAM PLOW breaks through the plow floor by means of chisel furrows 12 inches apart. Moisture soaks freely into the sub-soil. Stops erosion.

YOUR TRACTOR CAN EASILY PULL A GRAHAM PLOW

The GRAHAM PLOW comes in sizes from 5 to 14 ft. and wider. Goes to a depth of 18 inches. The first time over, set it to a depth which takes the same power as your moldboard plow. Then, if you want to go deeper, go over your land again. Once the plow floor is chiseled, you can set the GRAHAM PLOW deep in future years.

Use This Century's Greatest Soil Saving Farm Tool . . . The GRAHAM PLOW!

Contact your dealer or write

DISTR. GRAHAM-IOWA SUB-SOILER CO. STATE CENTER IOWA

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Portable Feed Mixer

With these leading features:

Grind directly into mixer—job is completed ready for unloading. No scooping—swing conveyor unloads for you. Waist high hopper for easy filling. Unloads small grains into bins, feeders, etc. Mixes large or small amounts. Rugged construction but only 94 inches high. 75 bu. capacity. Easy operation. Power take-off. Fits all tractors. Saves labor, time and pays for itself in months. Pat. Pend.

We have expanded. Moved from Dolliver, Iowa to Armstrong, Iowa.

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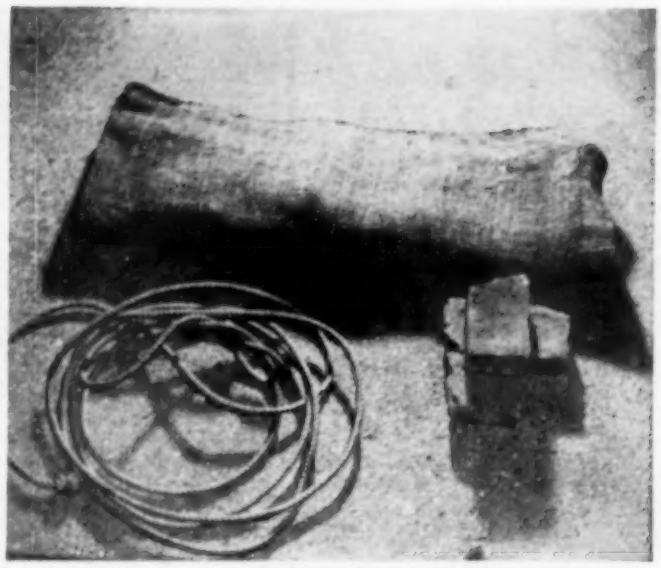

Chimney fires can be dangerous! To clean chimneys, try putting a couple of bricks in a gunny sack. Tie on a length of rope, and work the bag up and down in the chimney.

How to prevent a chimney fire

It'll only take an hour of your time

Check your chimney for broken or crumbled mortar. Watch the area where pipe enters the chimney. Repair spots where sparks or overheating could cause trouble.

Remove soot and dirt from chimney clean-out once or twice a year, or oftener if needed. Make sure clean-out door fits tightly, or you won't get proper draft.

DEHORN YOUR CALVES WITH
Sunbeam STEWART Automatic Heat Control CALF DEHORNER

FAST, EASY, CERTAIN

Becomes Heavy-duty Soldering Iron When Soldering Tip is attached

Electric dehorning can be done any time of year, no loss of blood—no open flesh wound. Attains correct high heat for continuous operation. $14.95, complete. (Without soldering tip, $13.50).

CLIP COWS REGULARLY WITH
Sunbeam STEWART CLIPMASTER

CLIPS Cows, Horses Mules, Dogs, faster, better

Clipping reduces sediment—lowers bacteria count. Clipped cows are easier to keep clean. $42.95

GROOMING BRUSH ATTACHMENT
Attachment for Clipmaster, $17.50 (Colorado and West, $17.75). Unit with motor $39.95 (Colorado and West, $40.25).

Grooming Head Fits Your Clipmaster

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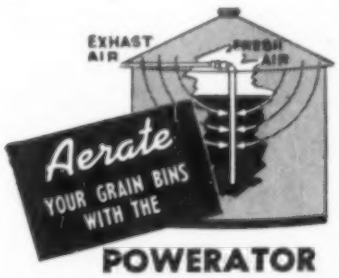
Help Prevent Infection
Give injured, cut or chapped teats and udders prompt antiseptic treatment. Apply Spohn's UDDER-AID. Kills germs on contact. Aids prompt healing. Stays soft—easier to use. Ideal for massaging congested udders. Only $1.00 at drug stores or sent direct.
SPOHN MEDICAL CO., GOSHEN, INDIANA



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POLE BUILDINGS
for Cattle, Hogs, Poultry & Sheds
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CRIMP—CRACK—GRANULATE
All small grains and ear corn feed DUST-FREE rolled grain for better feeding results. Roll it with a PEERLESS. Complete line stationary and portable mills. Write for LITERATURE.
PEERLESS EQUIP. CO. Dept. 101 JOPLIN, MISSOURI

WANTED—Horse hair wanted. Tail and mane. Write for price. STURGES COMPANY, 2639 "N" STREET, OMAHA, NEBRASKA.

Tips For December

Here are some suggestions from Francis A. Kutish, extension economist from Iowa State College.

LOTS OF NEW CATTLE feeders are in the business this fall. If you are one, check with some experienced feeders in your area. Find how best to bring your cattle to a full feed. Compare your ration with what they are feeding.

▼ ▼ ▼

PROFITS will not be great in cattle feeding this year. Too many cattle on feed for that. So you'll have to do the most efficient job possible to come out on top. That's why it's best to draw on the experience of top-notch feeders in your area.

▼ ▼ ▼

IF YOU HAVE a beef cow-herd, don't put much corn in them—even if you are in an area where corn is a dollar a bushel. Records kept by farmers in cooperation with Iowa State College indicate that you can't afford to put much corn into beef cows. Takes cheap feed to make a cow-herd pay. Use the corn to finish out the calves, for hogs or to sell.

▼ ▼ ▼

DOES IT PAY best to winter cattle to gain a pound or so—then put on full feed next spring or summer? We thought it did. But a test at Iowa State College showed that the lowest-cost cattle were the ones which had been put on full-feed from the start.

A GOOD DECEMBER evening job is to get your farm records together. Start to total up your expenses. Don't miss any. You often do, if you let such work go until the last minute.

▼ ▼ ▼

HERE'S ONE WAY you can keep your bills in a handy file. Harry Fisher, Dallas county, Iowa, put all his bills and receipt tickets for each month in a separate envelope. They can be added up monthly. Then at the end of the year he has a big part of his bookwork done.

▼ ▼ ▼

EACH YEAR'S bundle of envelopes then are put away for future reference after income taxes are figured and the farm business summary is made. Could come in handy as proof if you ever need it to substantiate your income tax returns.

▼ ▼ ▼

OUTLOOK is for higher farm costs in 1957. Make sure that each dollar you spend will go for those things which will net you highest returns.

▼ ▼ ▼

FOR LONGER LIFE and less repair bills on your machinery, check it over during the winter. Many Iowa farmers schedule a winter visit from their machinery repairman. He comes out on the farm. Goes over the machinery and tractor. It saves money in the long run and time next spring, because the machinery is ready to go.

90% of IOWA FARMS
are protected with...

COUNTY MUTUAL FARM INSURANCE

100 YEARS OF FARM PROTECTION
1856 · 1956

There's a reason why over 90% of Iowa farmers protect their property with County Mutual farm insurance. Your local County Mutual is run by farmers for farmers . . . locally managed to serve you better. And your County Mutual is operated for protection, not profit. Contact your local County Mutual for the best in farm insurance.

FARM SAFETY HINT FOR THIS MONTH

Make sure your furnace or stove doesn't become over-heated. This is one of the big causes of farm home fires during cold winter months.

This message sponsored by:
FARMERS MUTUAL REINSURANCE CO.
GRINNELL, IOWA
Serving Farm Mutuals Since 1909

How to keep your horse at work

● A rubdown with Absorbine Wash right after work helps prevent galled shoulders, sore necks, stiffness across the back, shoulders and loins. Absorbine applied to a blemish or at the first sign of puffiness helps stop a more serious condition like ringbone or spavin. Does not remove hair nor blister skin. Horse can be treated on the job. Only $2.50 for a large bottle at all druggists. W. F. Young, Inc., Springfield, Mass.

ABSORBINE

VON RUDEN Hydra-Flex 1-MAN, 2-MAN MODELS

HYDRAULIC CHAIN SAWS
Uses power you already have!
Smooth, light-weight unit has 12 H.P. cutting capacity. Safely trims, fells, bucks! Converts to post hole digger or universal power drive. Fits all tractors . . . Thousands in use . . . Money back guaranteed!
FREE write for color folder!
Hydra-Flex, Inc., 26 Front St., Claremont, Minn.

WIRE WINDER
Roll and unroll barbed wire with tractor either in stationary position or at speeds up to 15 m.p.h. Heavy duty slip clutch keeps wire tight. Collapsible spool. Very low cost. Write for free literature.
Dept. B-15
MIDWEST WIRE & STEEL PRODUCTS
South St. Paul, Minn.

INCREASE PRESENT INCOME
$75-up weekly. Dealers, farmers, agents—demonstrate nationally known Gro-Green Liquid Fertilizer Nutrients. Results Guaranteed. Full-part time. Samples FREE. Campbell Co., Rochelle 215, Illinois.

SLOW DOWN AND LIVE

when your cow has mastitis treat the whole disease

Protect your dairy profit by treating the inflammation and the infection

use

CORBIOT*

the first scientific combination containing hydrocortisone and three antibiotics for total treatment of mastitis

CORBIOT lessens inflammation in the mastitis udder by the action of hydrocortisone. This helps preserve the milk flow. It also acts to prevent formation of scar tissue which is the cause of lumps and knots in permanently damaged quarters. CORBIOT attacks infection promptly with the combined action of 3 powerful but gentle antibiotics (neomycin, polymyxin and penicillin). CORBIOT mixes readily with the milk in the udder, so these healing ingredients can penetrate up into the milking tissues.

*TRADEMARK, REG. U. S. PAT. OFF.

Available from your veterinarian and druggist in 10 Gm. tubes

Teatube-CORBIOT* A PRODUCT OF Upjohn Research

Your veterinarian is your first line of defense against animal diseases. Consult him in regard to your animal health problems.

Veterinary Sales Department, THE UPJOHN COMPANY, Kalamazoo, Michigan

"$3800 Net Profit on 600 Cords of Wood"

HOMELITE CHAIN SAW

With the aid of a Homelite Chain Saw, Mr. Lloyd M. Sheffield cut 600 cords of pulpwood out of the 600 acre woodlot on his Pine Hill, Alabama farm over a 16-week period. The sale of the wood brought $8100.00. All expenses during the cutting period including labor and the purchase price of the saw, amounted to $4300, leaving a net profit of $3800 — which will be used to improve his pastures and timberland.

Cash in on your woodlot the Homelite Way

More farmers every year are discovering how to make money out of wood — with power-packed, lightweight Homelite Chain Saws.

For example, the 5 horsepower, 19 pound Homelite EZ — the world's lightest, most powerful direct drive chain saw — will let you cut down trees up to 3 feet in diameter . . . speed through 8" Oak in 5 seconds, 18" Pine in 14 seconds.

Homelite builds and sells more chain saws than any other company in the world.

4 models available • 3½ to 7 horsepower • 19 to 29 pounds straight blades, bows, brush-cutter and clearing attachments

HOMELITE — a division of Textron Inc.
1312 RIVERDALE AVENUE, PORT CHESTER, NEW YORK

☐ Please call me about a free demonstration. ☐ Please send me further information.
☐ Please send me name of nearest Homelite dealer.

Name.....
Address.....
Town/City.....County.....State.....

Rural Route Ramblings

By R. F. D.

IN KEEPING with our policy of passing on to you anything real worthy, this week we heartily recommend the "Little Dandy Complete Do It Yourself Storm Window Kit (with nails and stripping)."

THERE IS ONE slight qualification demanded of the would-be user of this household necessity —he should be a genius.

THE INSTRUCTIONS state you should be able to install it blindfolded.

TO BEGIN with, whoever writes instructions for things like these should be high in government circles. He says a lot of things, but when you sift the facts out there aren't any. This same man also composes the instructions for model airplane kits and the construction of large toys such as battleships, forts, etc.

PAY NO ATTENTION to the package of nails included. You go right up town, and buy yourself a box of small nails containing several hundred, and you might get by.

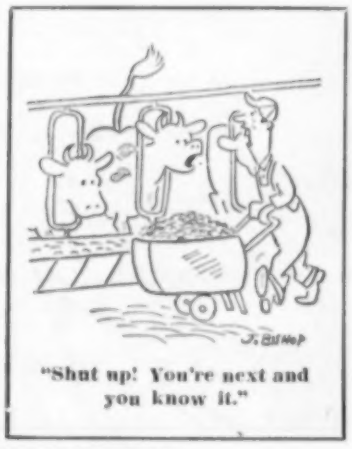
AFTER WRESTLING with the monster for about an hour, I sort of halfway had it up when I touched it and punched a hole in the "indestructible" material. I was in such a rage at this time (hit one thumb 23 times in the same place) that I yanked the stripping off and tried to tear the window in shreds. But here it was indestructible. So I burnt it.

I MUST say it blazed very nicely.

WE ONLY HAVE three windows which do not have regular storm windows, and I have been planning on buying permanent windows for them also. But it has only been three years, and I dislike to rush into things.

AS A MATTER of fact, I don't have all of them up yet. We don't need them on the many warm days we have had so far and on the cold days . . . . well, who can be efficient about installing windows when the hands are frozen.

I DON'T THINK it will get very cold this winter anyway. . . .



"Shut up! You're next and you know it."

GIVE HIM Sunbeam THE BEST ELECTRIC APPLIANCES MADE

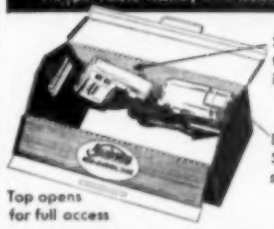
HOME WORKSHOP TOOLS

SENSATIONAL NEW ELECTRIC HAND SAW

• Goes through a dressed 2x4.
• Special blades make tough cuts in iron and steel . . . accurate cuts in Plastics.

Precision built, rugged electric hand saw. Lightweight, easy-to-use. ¾ inch stroke, 50% longer, cuts in 2 inch dressed lumber; circle cuts, too. Change blades quickly. Complete with Rip Guide and Blade, $42.50.

NEW Sunbeam ADD-A-TOOL BOX
Keeps Tools Handy . . . Ready to Go



Now a practical all metal Add-A-Tool box. Plenty of storage space for tools and accessories. Closes with handle type fastener. Get it with either Sunbeam Drillmaster drill or Hand Saw, or separately at $8.50.

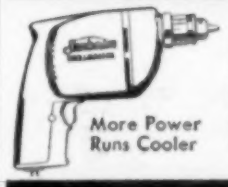
NOW AVAILABLE! 3 MONEY SAVING OFFERS

SAVE $5.50 The sensational new Sunbeam Hand Saw with rip guide and one blade, $42.50, set of 4 assorted blades $4.45 and the $8.50 deluxe Add-A-Tool box—
A $55.45 value for only..... $49.95

SAVE $4.20 The $27.95 Drillmaster drill with ¼ inch Geared Chuck, a $5.25 set of 10 high speed drill bits and the $8.50 deluxe Add-A-Tool box—
A $41.70 value for only..... $37.50

SAVE $4.20 The $25.95 Drillmaster drill with ¼ inch Hex-Key Chuck, a $5.25 set of 10 high speed drill bits and the $8.50 deluxe Add-A-Tool box—
A $39.70 value for only..... $35.50

DRILLMASTER DRILL



Powerful, cool running, higher torque, drills faster. With ¼" Geared Chuck, $27.95; same with Hex-Key Chuck, $25.95.

GRINDER SANDER HONER

The most practical grinder made —it grinds, it sands, it *hones*. Sunbeam series wound motor develops up to ⅓ H. P. $49.75.

Look for the MARK OF QUALITY Sunbeam

© Sunbeam Corporation, 1956. T.M. "Sunbeam," "Drillmaster," Reg. U.S. Pat. Off.

Sunbeam Corp. Dept. 101, Chicago 50, Ill. Canada, Toronto 18—Prices slightly higher in Canada

New ideas in

Crops and Soils

- dwarf corn
- efficient water use
- cost of soil erosion
- Corn production

CORN breeders over the country are taking a closer look at "dwarf" hybrids these days. The dwarfs are in the late "drawing board" stage. And extensive testing is underway.

The dwarfs grow about shoulder high. Ears are usually less than two feet off the ground. This, of course, can almost eliminate lodging. In fact, dwarf varieties stood while normal varieties were flattened when a hurricane hit one field.

Yields of some dwarf varieties run well over 100 bushels. Dr. Earl Leng at the University of Illinois found yields up to 125 bushels. Normal hybrids grown for comparison went close to 150 bushels.

The dwarf plants have the same number of leaves as normal plants. The shortening process comes thru shorter distances between the nodes.

The dwarfs have some real advantages. A big one is resistance to lodging. Ears are quite uniform. They should work well with corn combines. The shorter stalks and resistance to lodging might well make interseeding with legumes more practical.

But don't figure to make the change right away. Most of the dwarfs being tested now have rather poor disease resistance. And there are some other problems to be worked out. When the solutions are found, you can count on hearing more about dwarf hybrids.

HOW MUCH WATER does alfalfa need? Here's what a group of New York workers found. During the last 11 days of July, peak water use was 0.187 inches per day. That's 1.3 inches of water per week. Sweet corn used slightly more water—just under an inch and a half per week.

EFFICIENCY of water use can be increased by adequate fertility. In one study, Texas workers found that an inch of rain produced 95 percent more hay on plots that had been fertilized with 60 pounds of nitrogen per acre. That's compared with the same amount of water on unfertilized plots.

Dwarf corn is compared above with normal corn on the right. Best dwarf variety made 125 bushels. Best normal hybrid yielded 150 bushels. More breeding work must be done before dwarfs will be used commercially.

SOIL EROSION costs money. In New York tests, badly eroded land was placed under good management and compared with similar land not suffering from erosion.

After 10 years of good management, the eroded land was between 87 to 92 percent of full yield capacity.

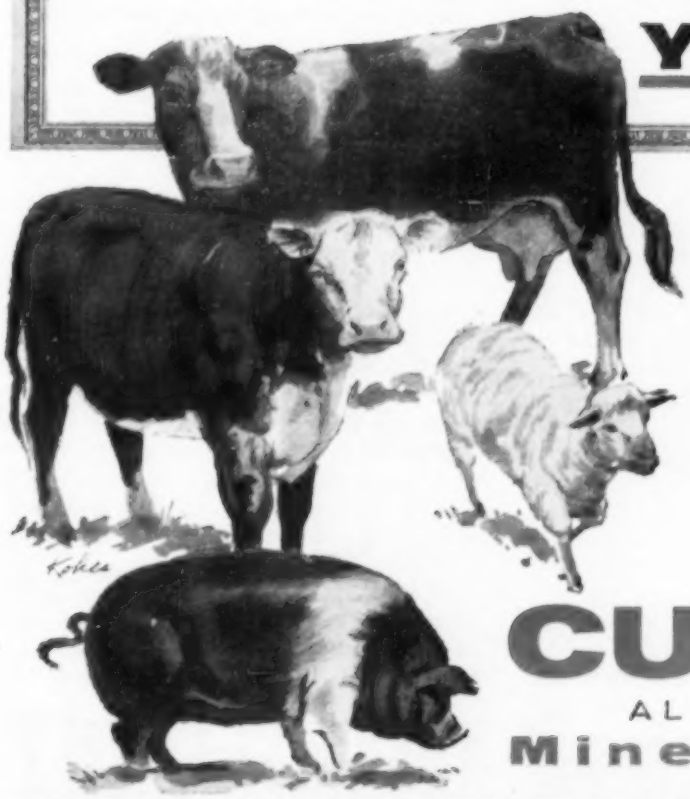
THERE'S A wide difference in the ability of various corn hybrids to perform in heavy stands. A Minnesota corn specialist reports that early hybrids tend to stand crowding better than late hybrids.

BLANK STALKS and barren ears in corn can be caused by a shortage of boron. The shortage of boron can show up this way before any hunger signs show up in the leaves. That's according to K. C. Berger of the University of Wisconsin.

Weather has a big effect on the supply of boron released by the soil. So this problem shows up in some years but not in others.

In general, Iowa soils seem well supplied with boron. So this is not necessarily the cause of blank stalks and barren ears under Iowa conditions.

LIKE BUYING INSURANCE ON YOUR LIVESTOCK



...because Cudahy Mineral Feeds help keep calves, pigs and lambs free from underdeveloped bones and malfunctioning organs due to phosphorus and calcium deficiencies.

Cudahy Mineral Feeds contain steamed bone meal—nature's own source of phosphorus and calcium. It is highly palatable. Your livestock will get plenty of minerals to insure sturdy and healthy, young.

In addition to steamed bone meal, Cudahy Mineral Feeds contain all the essential trace minerals which assure top gain and higher profits.

Ask your feed dealer for Cudahy Mineral Feeds with over 50% steamed bone meal plus trace minerals.

In 50 Lb. & 100 Lb. Bags

50 Lb. Rain Resistant Blue

CUDAHY
ALL PURPOSE
Mineral Feeds

THE CUDAHY PACKING COMPANY
Omaha...Los Angeles...Wichita

WASHDAY is no longer something to dread. Like many other farm women, Mrs. Richard Bell, Story county, Iowa, has a clean, light utility room where the children can play while she does the laundry.

Automatic equipment means

You can wash on rainy days

MORE and more farm families are enjoying automatic washers and dryers. They count them their greatest labor savers.

No more waiting for a good wash day. No more aching back from lifting dripping clothes to the wringer. No more freezing fingers in the winter. No more wet clothes hanging in the kitchen or bath room or basement.

Families with small children are especially enthusiastic about automatic washers and dryers.

Mrs. Richard Bell of Story county, Iowa, wonders how she ever got along without hers. With three children under five years old, she has plenty of washing and drying almost every day in the week.

The Bells live in an old house with a big kitchen. Plenty big enough for both washer and dryer. She has a good supply of water and a good pressure system.

Mrs. Bell has discovered that with her new laundry equipment, she manages very well with fewer clothes for the children. Their clothes can be washed and dried while they sleep and are ready to wear when they waken.

She likes the way corduroy play clothes, shirts, jackets and slacks wash and dry, fresh and soft. They need only a little steam pressing on the seams.

The washer and dryer do a fine job on husband Dick's flannel shirts, blue jeans and denim jackets. Mrs. Bell folds them directly from the dryer, and they are ready to wear

The timer on the dryer is a joy, too. When she has a load of mixed clothes, she sets the timer for a short period so she can take out some things when they are not quite dry but just right to iron. Then she sets the timer again for the rest to come out fluffy-dry.

Chenille bedspreads, shag rugs, terry cloth bath robes and feather pillows can be laundered to perfection in the Bell's automatic washer and dryer.

Turkish towels, underwear and outing flannel night clothes come out fresh and fluffy, ready to fold and put away.

Large quantity starching can be done in the washer and the things dried in the dryer, but do them by themselves.

Do you have curtains, draperies, bedspreads or rugs you wish were a different color? Machine dry them in your automatic washer, and dry them in the dryer.

Here are some suggestions for choosing and using an automatic washer and dryer:

Buy from a reliable dealer who is prepared to service what he sells.

Look for safety devices and machines you can control—stop and start anywhere in the cycle.

Measure carefully to be sure the equipment will fit into the space you are planning for it.

Washers and dryers don't have to stand side by side. The picture above shows Mrs. Bell's with a window between. They are near enough to use conveniently.

Temperature controls on both washers and dryers make it possible to wash most fabrics used in everyday clothing.

Automatic washers do their best work when they have a good supply of water under constant pressure.

Look for a dryer with the lint trap in a convenient place. Empty it at the finish of every load for most efficient drying.

Make sure the dryer can be vented outside the house so the moisture driven out of the clothes will go outdoors and not spread thru the house.

DON'T OVERLOAD is the first rule for getting the most satisfaction out of your automatic washer and dryer. A fresh clean wash depends as much on good rinsing as it does on soap and agitation. Overloading for the wash means overloading for the rinses and a disappointing finish.

Overloading the dryer slows up the drying process and is hard on the dryer. Two small loads can be done, usually, in less time than one oversized load.

All colorfast things can be washed and dried together.

Don't be discouraged because you hear that washers and dryers shrink clothing. If you follow directions for washing wool and synthetic fabrics, you will have no trouble.

If knit cotton garments, socks and underwear, are left in the dryer too long, they sometimes seem to be shrunk, but they stretch right back to size again.

Homemaking Today

Edited By ZOE MURPHY

MAKE IT A WHITE CHRISTMAS

GIVE HER A MAJOR APPLIANCE

Here's the gift that tops them all for *her*—because it's such a *thoughtful* gift — saves her precious time and energy. It's a *major appliance* — laundry equipment, range, refrigerator, freezer, water heater — whatever it is that she will most use and enjoy and appreciate right now — and that will mean "a new way of life for her."

Go to your appliance dealer now — choose the sparkling home appliance that will give her more time for living. Make it "a White Christmas" with a wonderful home appliance!

Say "Merry Christmas" with ELECTRIC GIFTS !

. . . they keep on giving day after day

- ☐ *Electric* Coffee Maker Percolator
- ☐ *Electric* Roaster Waffle Iron
- ☐ *Electric* Vacuum Cleaner
- ☐ *Automatic* Bed Coverings
- ☐ *Electric* Shaver Electric Iron
- ☐ *Electric* Toaster Electric Frypan
- ☐ *Electric* Mixer Electric Hair Dryer

EASY TERMS: You can get countless electric gifts at your dealer's for a low down-payment and easy-to-pay monthly payments.

Higher Standard of Living? . . .

HIGHER HOUSEPOWER!

Over the years, you've added new appliances. But chances are, you've done nothing about increasing the amount of electricity to use in your home. *Yesterday's* wiring can't take care of *today's* and *tomorrow's* appliances. Modern living requires modern wiring, with plenty of circuits and outlets. Then — with Higher Housepower — you'll live better electrically.

The Electric Companies OF IOWA

Winter fashions

No. 8406. Plan on a dashing, full skirted frock for holiday festivities. And add a touch of lace. Sizes 9, 11, 12, 13, 14, 16, 18. Size 11, 4⅝ yards of 39-inch; ½ yard 3" lace.

No. 8341. Trim and slim as can be. Button front jumper with companion blouse. Sizes 14, 16, 18, 20; 40, 42, 44. Size 16, jumper, three yards of 39-inch; blouse, long sleeves, 2⅝ yards.

No. 1364. Dainty togs for toddlers. Size 6 mos. 1, 2, 3, years. Size 1, dress, 1⅛ yards of 35-inch; slip, 1¼ yards; panties, ⅝ yard; romper, ⅞ yard.

No. 1530. Well fitting lingerie for the mature figure—long or short bra and tailored panties. Sizes 36 to 52. Size 38, long bra, ⅞ yard of 35-inch; short bra, ¾ yard; panties, 1½ yards.

No. 8398. Shirtwaister with or without cuffs. Sizes 12½ to 24½. Size 14½, 4¼ yards of 39-inch.

Patterns are 30 cents each, coin preferred. Address your order to Pattern Department, Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa.

See Your Nearest →

RCA WHIRLPOOL DEALER

IOWA

AKRON.....Fred Dirks Hardware
ALBIA.....Munn & Cassady Co., Inc.
ALGONA....Hall Strahorn Hardware
ALTA.....Melander Gamble Store
ALTA VISTA....G. F. Crooks Impl. Co.
ALTON.....Wierda Electric
ALTOONA.....Hamlin Oil Co.
AMES.....Busch Appliance
ANTHON.....I. H. Sokolowski's
AVOCA.....Avoca Implement

BELLE PLAINE.....Leo Kelly Co.
BRADDYVILLE.....Braddyville Oil
BURLINGTON..Bennetts' Home Center
BURLINGTON.Goodyear Service Store

CARROLL.....Western Auto
CARSON.....Putnam Hardware
CEDAR FALLS..Blacks Appliance Store
CEDAR FALLS....Macheak Radio & TV
CENTERVILLE...Bryant Tire & Battery
CHARITON.....D. L. Smith & Co.
CHARLES CITY..Adrian Implement Co.
CHEROKEE..Backman Home Appliance
CLARINDA..... Max Shumm
CONRAD.....Heine Implement Co.
CORNING.....Gamble Store
CORYDON.....Klein Implement
CRESCO.....Porter Gas & Elec.
CRESTON.....Metz Implement
CUMBERLAND.....Cumberland Elec.

DAYTON...Ruben Lundberg Implement
DENISON.....Denison Radio & TV
DENVER.....Denver Electric
DES MOINES
A-1 Appliance Co.....820 E. Euclid
Char Mor Service.1903 Cottage Gr.
Chets Washer.....2004 Forest
City Auto & Home....1195 2nd Ave.
Goodyear Service Store..900 Locust
Grubb Washer.....3310 SW 9th
Liddell Bros.....2323 Forest
Lovejoy's.....1658 E. Walnut
Moffitt Farm Equip.....2323 Hubbell
Gene Nicholson.....1331 Keo
Pittsleys.....4021 E. 14th
Suburban Appliance.....852 Hull
DEWITT.....Reimer's Appliance Co.
DIKE.....Dike Oil Co.
DYSART.....Tony's Radio & TV

EARLY.....Wadsley Chev. and Imp.
ELKHORN....Elkhorn Farm Equipment
ELLIOTT.....S & M Oil Co.
EXIRA.....J & M Impl.

FAIRFIELD.....Briggs Plbg. & Htg.
FREDRICKSBURG.....Kersner-Wesp & Murphy

GLADBROOK.....Bates Implement
GLENWOOD.....Collins Elec.
GRAFTON...Grafton Plbg. & Htg. Co.
GRANT.....Grant Elec.
GRINNELL...Grinnell Implement Store
GRISWOLD.....Hokenstad & Wilson
GRUNDY CENTER.....Heine Impl. Co.
GUTHRIE CENTER..Randolph Plbg. & Heating

HARLAN.....Pauley Furn.
HARTLEY.....Schmidt's Hardware
HUMBOLDT..Hall Strahorn Hardware

IDA GROVE.....Hartley-Bickley Co.
INDEPENDENCE.....Ballou Oil Co.

KALONA.....Yoder Plumbing Service
KEOTA.....Ke-Wash Fertilizer Co.

LAKE PARK.....Blair's Hardware
LAKE VIEW.....Gamble Store
LEMARS.....Stover Supply & Dist. Co.
MALVERN..... Pace Service
MANLY.....Sunset TV
MAQUOKETA.....Maquoketa Music
MARENGO.....Lee Kelly Co.
MARSHALLTOWN.....Brighter Homes Store

MASON CITY.....Dicks TV Center
MECHANICSVILLE....Montz Impl. Co.
MILFORD.....Smith Furniture
MILTON.....Gamble Store
MISSOURI VALLEY.....Henry Paper
MONDAMIN.....Shaffer Lbr. & Hdwe.
MT. PLEASANT..F. C. Ackerman & Co.

NEWTON.....B-O Sales & Service

ODEBOLT.....Walt's Radio & TV
OELWEIN .King Bros., Oelwein Impl. Co.
ORANGE CITY.....Kalsbeek Brothers
OSAGE.....Davidson Gas & Elec.
OSKALOOSA.Howarth Sales & Service

PARKERSBURG...Heine Implement Co.
PAULLINA...Johnson Farm Implement
PELLA.....Pella Implement Store
PERRY.....Wheelwright Oil Co.

RED OAK.....Home Implement
REINBECK....Cecil K. Robinson & Son
RICHLAND.....Hendricksen Impl.
ROCK RAPIDS.Don Hubbard Implement
ROCK VALLEY.....Sipma Electric
RUDD.....Larson & Collett Impl. Co.

SAC CITY.....Coast-to-Coast Store
SALEM.....Kasper Furniture Store
SANBORN .....Glenn's Hardware
SHELDON.....O'Connor Implements
SHENANDOAH....Miller Tractor, Inc.
SIOUX CENTER.....Van's Radio & Appliance
SIOUX CITY.....Luke's TV Center
SIOUX CITY.....Modern Home Store
SIOUX CITY.....William's Appliance
SIOUX CITY.....Younker-Davidson's
SIOUX RAPIDS.....Soo Electric
SPENCER .....Herbster Electric
STORM LAKE.....S & H Electric
SUMNER....A. F. Miller Implement Co.

VILLISCA..... Lane Implement

WALNUT..... Thiessen Elec.
WAPELLO.....McCulley Furniture
WATERLOO...Black's Appliance Store
WATERLOO..Earle L. Brown Impl. Co.
WATERLOO....General Appliance Co.
WATERLOO..Young Heating Company
WAVERLY.....Brayton Electric
WELLMAN..Wellman Thermogas Store
WELLSBURG....Okones Implement Co.
WEST UNION..Doscher Implement Co.
WHITTEMORE...Swanson Furniture & Appl.
WINTHROP.....Service Center
WOODBINE.....Millard Hdwe

ILLINOIS

ALPHA.....Alpha TV & Radio
ANNAWAN.....Quaife Farm Store

Give Her The

APPLIANCE

she needs for

A Merry Christmas

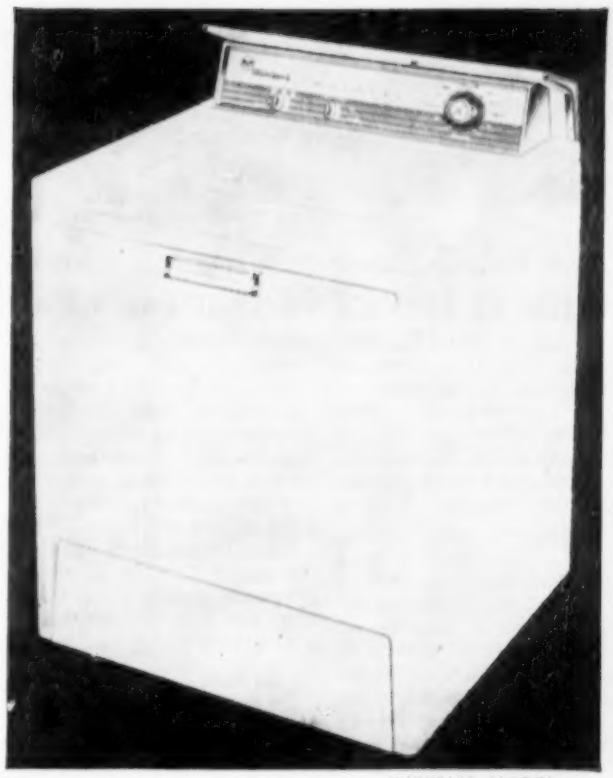
MAKE IT A WHITE CHRISTMAS

with a NEW 1957

RCA WHIRLPOOL

FIRST 2-SPEED WASHER

Dial **NORMAL** for your regular wash-cottons, denims, linens. Vigorous agitator action (65 strokes a minute) gets them cleaner than ever. Dial **GENTLE** and your **RCA WHIRLPOOL** automatically gives you a slower, swishing action (42 strokes) for nylons, orlons, finer things.



IMPERIAL MODEL

7 Rinses - Yet Uses Less Water

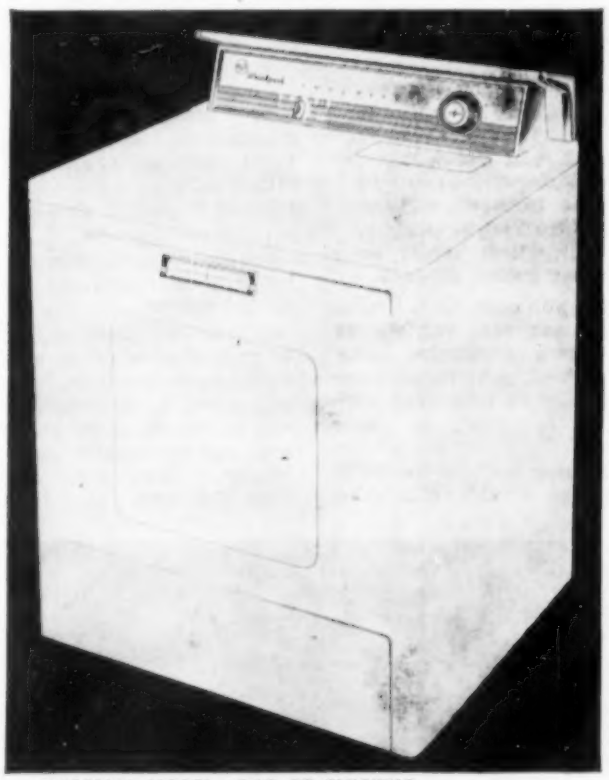
Normal action: 6 power-spray and one 2-minute agitated deep rinse. Gentle action: 4 power-spray and one 1-minute agitated rinse.

With Built-In Lint Filter

This new **RCA WHIRLPOOL** automatically filters out lint as it washes out dirt. Filter is built-in, out of the way—yet it's easy to slip out and rinse clean. Works full-time, even when water level is low, big load or small. Lint, fuzz, grit, soap-scum can't speckle your nice fresh wash.

And Money-Saving Suds-Miser

Exclusive with **RCA WHIRLPOOL** automatic. Suds-Miser saves hot water and suds in an adjoining tub while you rinse, then pumps it back in and filters it for another wash. That means you can re-use hot sudsy water again and again. Actually saves more than half the cost of soap and hot water.



IMPERIAL MODEL—GAS OR ELECTRIC

5-TEMP DRYER

THE RIGHT HEAT FOR EVERY FABRIC! Never before has drying been so perfectly controlled. Choose any heat—room temperature to 195 degrees—

5 Automatic Settings

That means every fabric is safe—even delicate synthetics. All clothing comes out softer—towels are actually 34 percent fluffier—with gentle, tempered breeze.

Ultra-Violet Lamp

Helps sanitize clothes, gives them fresh-air sweetness.

Big 20 Pound Capacity

With plenty of speed to keep up with your washer. Handy built-in lint screen is easy to clean.

New in Matchmaker Colors—**PINK, YELLOW, GREEN** or **WHITE**—also available in all-porcelain models—see your local dealer for further information.

WASHER PRICES START AT $219.95—DRYER PRICES START AT $189.95—also ask about the FREE clothes hamper and 12 Bath Towels with the purchase of the **RCA WHIRLPOOL WASHING MACHINE—MODEL CW-20.**

SIDLES COMPANY
Des Moines, Iowa

SIDLES COMPANY
Omaha, Nebr.

RCA VICTOR DIST. CORP.
Davenport, Iowa

WARREN RADIO SUPPLY
Sioux Falls, South Dakota

DISTRIBUTORS

Cook from Nora Springs won first contest nine years ago

Former Schoolteacher Wins 125 Cooking Awards at Three Different Iowa Fairs

Just the awards Mrs. Herold Ridder won in *one* year would make an impressive display to show her young neighbor. However, Mrs. Ridder has 250! She won 125 of these last year at the North Iowa and Mitchell County Fairs and the National Dairy Congress.

Mrs. Ridder gave up a teaching career in favor of marriage, and then went on to learn a lot about cooking. And one lesson she learned is the importance of good ingredients. That's why she always uses Fleischmann's Active Dry Yeast. "It's the best—and I've tried 'em all," she says. "This handy dry yeast rises fast every time."

Holiday time is here—so if you bake at home you'll be serving your family plenty of yeast-raised specialties. And you'll find them easier to make with Fleischmann's Active Dry Yeast handy in your cupboard. It stays fresh for months—always ready to use. And serve Fleischmann's new "Yeast-Riz" Main Dishes, too—there's a recipe on every "Thrifty Three." Fleischmann's is always fast rising—*easy* to use. Get Fleischmann's Active Dry Yeast.

Get the New "Thrifty Three"

Another Fine Product of Standard Brands Inc.

NEW FOR 1957!

"Farmers Tax Saver"

Your Complete, Practical Farm

Income Tax and Record Book

Here's What You Get For $1.00

1. 17 chapters of down to earth practical discussion on all types of farm income tax problems . . . with all changes pertinent to the Internal Revenue Code of 1954 and later amendments.

2. 22 pages designed especially for keeping track of all farm sales and expenditures . . . arranged for easy transfer to your income tax form.

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Your 1957 "Farmers Tax Saver" is written by Jack Miller, former attorney for the Office of Chief Counsel, Internal Revenue Bureau. He is past chairman of the Committee on Tax Problems of Farmers of the American Bar Association. Available by December 15, your 1957 "Farmers Tax Saver" will be mailed to you just as quickly as they are off the press. Place Your Order NOW!

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Clip This Coupon

Plan for color in your meals

Brighten up your meals and stimulate family's appetite

What's more appetizing on your dining table than a colorful and attractive meal? You can brighten up your meals and stimulate your family's appetite at the same time. Why not plan for color when you plan your meals?

YOU can create color by varying your method of food preparation. Sauces are good examples. A buttered carrot dish loses its orange when served with white sauce as melted cheese sauce or Hollandaise sauce does over broccoli.

Sprinkling chopped parsley over buttered carrots and potatoes creates new interest while buttered green beans or corn are dressed up with strips of pimientoes over them.

Vegetables can be cooked in numerous ways to create different colors, too. Cauliflower, for example, could be french fried, buttered, or served with a cheese sauce, producing a golden-brown, white or orange-white or orange-yellow effect.

Potatoes, when baked, boiled, or oven-browned, contribute distinctive colors. Have you tried browning your whipped potatoes under a broiler or in an oven?

Meat dishes, too, are cooked by various methods to produce different colors. If your family likes barbecue sauce, why not serve it with your liver or chicken? Creamed meat dishes (tuna, chicken, oysters, ham) are excellent harmonizers, and deep-fat fried meats (shrimp, fish, croquettes) create an appetizing golden product.

Be sure you consider the meat used because each variety of meat has a distinctive color (chicken, beef, pork, lamb). Your appetite may be influenced positively or negatively by these colors.

Pork chops may be colorfully accented by serving with fried apple rings, pineapple chunks or barbecue sauce. Ham served with cherry sauce and whole cherries is not only attractive but delicious.

Have you tried dashing paprika over your broiled fish or creamed chicken to remove that "dull" neutral color?

Here's a quick, easy way to brown some of your foods. Your canned peaches and pear halves brown easily under your broiler. Try adding one-half teaspoon of mint jelly in each peach half just before removing it from the broiler.

Broiled tomatoes are attractive with your green vegetables. Just dot with butter, and sprinkle sugar and salt over the tomato halves before broiling.

Sparkling colors can skillfully be used in breads. Rolls are frosted with icing. Breads may be trimmed with nuts, cherries, citrons, or candied fruits. Nuts, raisins, dates, cherries in muffins contribute color to the meal. Have you tried broiling your cinnamon toast for breakfast?

Your salads can provide attractive color combinations. It is no wonder so many commercial cafeterias place their salads first in the serving line.

Vary your gelatin salads by adding fruits (canned or fresh, except fresh pineapple), finely chopped nuts, cottage cheese or diced marshmallows. Adding mixed canned vegetables in your slightly thickened gelatin gives an interesting salad.

A scoop of ice cream or sherbet in your fruit salad plate is an eye catcher.

A dash of paprika and a sprig of parsley with sieved egg yolk work well together for your potato salad. Hard-cooked eggs can be cut in slices or wedges and used to brighten your head lettuce or leafy green salads.—Jane Takehara.

MRS. PAUL THOMAS, Cedar county, Iowa, has a long established reputation in her community as a good cook. She likes to serve mid-morning coffee to her family, friends and neighbors.

Homemaking Helps

A **FRUIT CAKE** is one of the best cakes to freeze. It's flavor becomes blended and mellow during freezer storage. The cake remains moist from the fruit and fat in it.

IF YOU LIKE spare ribs that are different try adding one-half teaspoon poultry seasoning to flour that the ribs are to be rolled in. Sprinkle with salt and pepper, brown well in fat, cover and simmer in hot water until tender.

NAOMI SHANK, extension specialist of Iowa State College, reminds you never to scrape off sticking starch on your iron with a knife or other sharp tool. Use a damp cloth with a non-abrasive mild scouring powder, when the iron is cool. Then buff with a dry soft cloth.

A TANGY SPREAD for crackers is made by blending one-half cup of softened butter together with one-fourth teaspoon salt, one-half teaspoon paprika. Then add one-fourth cup crumbled blue cheese, two heaping tablespoons tomato paste or catsup or chili sauce. May also be spread on hot hamburgers.

AMMONIA IS AN effective cleaner to use on the inside of ovens. Put a dish of ammonia inside the oven and leave it for several hours or overnight. Then clean with a damp, soapy cloth.

YOU'LL NEVER LONG for freshly baked cookies when you keep a roll of refrigerator cooky dough in your freezer. You can roll it as usual, freeze, wrap and seal. When ready to bake, slice with a sharp knife and bake in the usual manner.

SMALL PACKETS of bright wools are available in the stores nowadays for use in mending mittens and sweaters. They are a good investment for woolen garments need a good deal of mending during a winter's wear.

WHEN YOUR WHITE cotton gloves get soiled here is a good way to wash them: Wet the gloves and rub soap into the soiled spots. Roll each glove up tightly starting with the finger tips. Let the gloves lie for an hour or so, then wash briskly in warm soapsuds.

"But why did you lead me on Helen, when you knew you were losing your job?"

M-G-M CARTOON OATMEAL COOKIES

(Makes 2 dozen cookies)

2½ cups sifted enriched flour
½ cup granulated sugar
1 teaspoon salt
¼ teaspoon soda
¾ cup brown sugar
2 eggs
1 teaspoon vanilla
¾ cup shortening
2 cups Quaker or Mother's Oats (quick or old fashioned, uncooked)

Sift together flour, granulated sugar, salt and soda into bowl. Add brown sugar, eggs and vanilla, mixing well. Cut in shortening until mixture resembles coarse crumbs. Add oats. Work with fingers until dough just holds together.

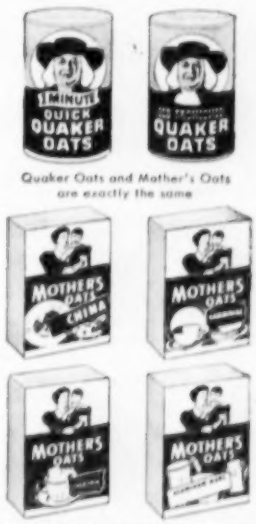
Sprinkle board or canvas lightly with confectioners' sugar. Roll dough to slightly less than ¼-inch thickness; cut with M-G-M Cartoon Cookie Cutters which have been dipped in confectioners' sugar. Place on lightly greased cookie sheets. Bake in moderate oven (350°F) 10 to 12 minutes. Cool and decorate as illustrated. (Delicious cookies in other shapes may be made from this recipe, using any cutter available.)

High-protein Quaker Oats gives nut-like flavor, extra nourishment to fancy party cookies

Now you can serve fancy cookies that taste as good as they look. Above is a brand new recipe for rolled oatmeal cookies easy to cut in any shape. This recipe gives you the tasty, nut-like flavor — and all the wonderful nourishment — of high-protein Quaker Oats.

For party desserts and favors that are really different, Quaker Oats offers specially designed cookie cutters in the shape of six famous M-G-M cartoon characters. These cutters make it fun for the whole family to join in cutting out party cookies. See special offer below.

WATCH "SGT. PRESTON OF THE YUKON" ON CBS-TV

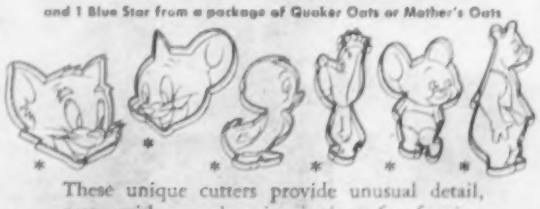


Quaker Oats and Mother's Oats are exactly the same

Look for China, Carnival Ware, Cup and Saucer, or Aluminum Ware inside the big square packages of Mother's Oats

SPECIAL OFFER:
M-G-M CARTOON COOKIE CUTTERS
SET OF 6 ONLY 25¢

and 1 Blue Star from a package of Quaker Oats or Mother's Oats



These unique cutters provide unusual detail, come with complete instructions for frosting each M-G-M Cartoon Cookie in attractive colors. Use handy order blank at right.

SEE M-G-M CARTOONS AT YOUR FAVORITE THEATER

SEND ORDER BLANK TODAY!

M-G-M CARTOON OATMEAL COOKIE CUTTERS
Box 5906, Chicago 54, Ill.

I enclose____in cash (no stamps, please) and____Blue Star(s) from package(s) of Quaker Oats or Mother's Oats for____set(s) of 6 M-G-M Cartoon Cookie Cutters. (1 Blue Star for each set.)

NAME_____
(PLEASE PRINT)

ADDRESS_____

CITY_____ ZONE____ STATE_____

Offer good only in U. S. and while supply lasts.

ADD A Winter Wonderland TOUCH IN HOLIDAY FARE WITH

ALMOND SNOWIES

So easy to bake . . . such fun to serve—elegant ground almond cookies with the delicate beauty of freshly fallen snow! And they're sheer delight to eat—crisp, tender, so delicious . . . they'll do you proud as a hostess!

Get Best Results with One Flour for All Your Baking!

You can have brilliant baking success with all kinds of holiday treats when you use Robin Hood Flour. Use it for rolls, nut breads, cakes, pies—everything you bake. Remember, Robin Hood is made from a variety of choice wheats. They're combined with special care and skill to give you best results with one flour for all your baking.

Get Robin Hood Flour today and bake these beautiful Almond Snowies. And be sure to use Robin Hood for all your holiday baking.

Look for Robin Hood Homemakers' Club stamps in every bag of Robin Hood Flour. Save up to 50% on famous name brand merchandise.

Try Rita Martin's ROBIN HOOD

Almond Snowies

1 cup shortening (half butter)
½ cup sugar
½ tsp. almond extract
2 cups sifted ROBIN HOOD All-Purpose Flour
½ tsp. salt
⅔ cup ground almonds

CREAM . . . shortening, add sugar gradually, then flavoring, creaming well after each addition.
ADD . . . . . sifted dry ingredients and almonds, mixing to a short dough.
FORM . . . . into small crescents or fingers and place on ungreased baking sheet.
BAKE . . . . in a moderately hot oven (375°) for 10-12 minutes or until delicately browned.
COOL . . . . slightly, then roll in powdered sugar.
YIELD . . . . 4½ dozen.

Enriched **Robin Hood Flour**

The One Flour for All Your Baking!

Cookery corner

White Fruit Cake

1 cup butter
2 cups white sugar
2½ cups flour
1 cup sweet milk
2 teaspoons baking powder
½ cup lemon juice
1 tablespoon grated lemon rind
7 egg whites
1 cup almonds or pecans
1 cup shredded cocoanut
¼ cup marischino cherries
1 pound white raisins
1 cup candied pineapple

Chop fruit and nuts and dredge with one-half cup flour. Sift remaining flour with baking powder. Cream butter, and sugar. Add flour and milk alternately, then the fruit, nuts and juice. Add the stiffly beaten egg whites last. Bake slowly at 250 degrees for about two hours.

Fruit Cake

2 cups blanched almonds
3 cups seeded raisins
2 cups currants
2 cups candied cherries
2 cups chopped dates
1 cup chopped citron
2 cups candied pineapple
1 cup chopped orange peel
1 cup chopped lemon peel
3 cups light brown sugar
3 cups butter
3 cups flour
12 eggs separated
2 tablespoons cinnamon
2 tablespoons mace
2 tablespoons cloves
2 tablespoons allspice
2 tablespoons nutmeg
1 tablespoon soda dissolved in a half cup water

Cream sugar and butter, add the well beaten egg yolks. Then gradually add a little of each fruit that has been well dredged in some of the flour. Sift spices in remaining flour. Beat egg whites to a stiff froth and add. Dissolve soda in warm water and add last. Bake in a deep pan, in a slow oven (250 degrees) two and a half to three hours.

Dark Fruit Cake

3 cups sugar
1 cup butter
½ cup sour cream
½ cup molasses
½ cup orange juice
3 cups flour
8 eggs separated
3 packages mixed candied fruits (1 lb. each)
1 pound white raisins
1 pound dates
2 cups nutmeats
1 teaspoon nutmeg
1 teaspoon cloves
1 teaspoon soda
½ pound candied cherries

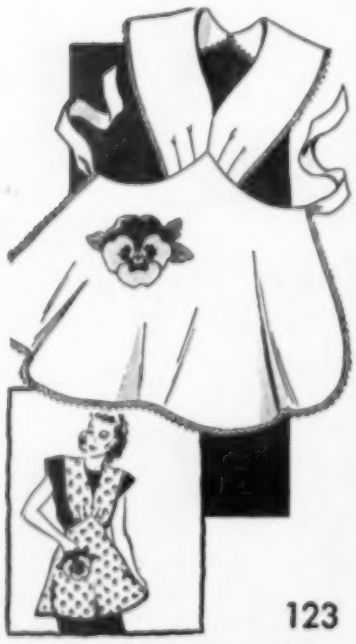
Chop the dates and nuts. Add the dates to the fruit mix and soak over night in the orange juice. Cream the butter and add the sugar. Add egg yolks and molasses. Mix the soda with sour cream and add to the mixture. Add the fruit mix. Sift the flour and spices. Dredge raisins and nuts with an extra tablespoon flour. Add to first mixture. Add egg whites beaten until they stand in moist peaks. Grease pan, line with brown paper and grease again. Bake at 300 degrees for two and a half hours and at 350 degrees for one hour.

LUCKY FAMILY of Mrs. John Thompson, Cerro Gordo county, Iowa, is going to have cake for supper. Mrs. Thompson is a fine cook and does a lot of home baking.

Suggestions for hand made Christmas Gifts

32" TALL

5594



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Designs are 25 cents each, coin preferred. Address your orders to Pattern Department, Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa. Allow 10 days for delivery.

EVEN LITTLE children can grasp the true meaning of Christmas when they are allowed to have a part in it themselves.

Let your child build a creche

Children love to have part in the drama of Christmas

YOUR children can build their own Christmas creche from play materials about the house with your inspiration and help.

Let them feel the magic of their simple toys transformed to play a part in the Great Drama, just as simple folk were once transformed to become heralds of a new age.

Tell them the story over again as you help them make the creche. After it's finished, light a candle or two before it. Then the creche will be theirs, as only something you've made yourself can be yours.

Make the stable of small sticks, pieces of wood, building blocks, or even gingerbread. The figures are clothespins, adorned with bits of paper, tiny beads and buttons. Stand them up with modeling clay.

The gold and glitter on the Three Kings, the simple garments of Mary and Joseph, and the three or four Shepherds . . . . all can be made with scraps, little odds and ends.

If you use a package of paper napkins in different soft hues to make the robes, all the colors will blend well together. Or if you have soft flannel scraps, they make excellent robes, tied on with thread. Only your imagination limits the materials you can use.

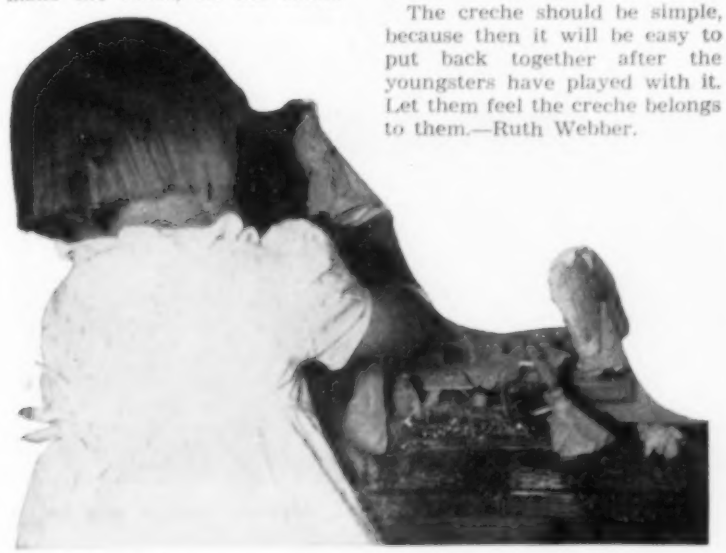
Angels wear silver-tipped wings of tinsel glued in place. White pipe cleaners make fine angel halos. The angels may be suspended from the ceiling so they will twist and turn, with several long strands of silver tinsel serving as starbeams.

The center of attraction will be Baby Jesus in His bed. The bed is made of the same rough materials used to build the stable-hut, and has a few blades of grass or bits of cotton for a mattress.

Tiny half-inch baby dolls are usually available in dimestores, where baby-shower favors are sold. Toddlers love to hold Baby Jesus, and sometimes the doll disappears, so it's a good idea to buy two for a season.

The animals outside the stable can be the small plastic toy animals the children have in their toy box. It's also easy to make cuddly little lambs for the Shepherd's flock from cotton balls.

The creche should be simple, because then it will be easy to put back together after the youngsters have played with it. Let them feel the creche belongs to them.—Ruth Webber.

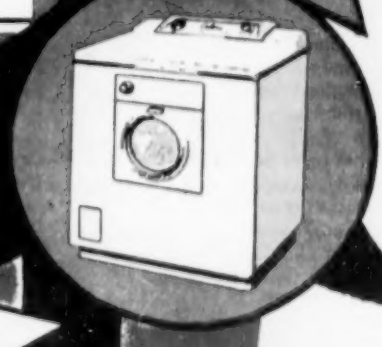


MAKE THIS YOUR WIFE'S

most joyous CHRISTMAS

Give her A Caloric GAS RANGE

or a Caloric GAS CLOTHES DRYER



Fueled by THERMOGAS or RAPID GAS

When you see the joy on her face, you'll know you made the right choice for her gift this Christmas.

The happy wives who receive the Caloric Gas Range will enjoy new cooking ease. And, the family will enjoy more delicious meals . . . especially if her Caloric is equipped with the new *Thermo-Set Top Burner* that makes all the pots and pans fully automatic.

The Caloric Gas Clothes Dryer will make her equally happy, because this automatic dryer saves your wife hours of work each week. Caloric's *exclusive* LO-HEET, HI-BREEZ drying saves fuel, saves clothes, saves time.

Plan now to give her the happiest Christmas ever. See your Thermogas or Rapid Gas dealer today about an "Engineered Installation" of a Caloric Gas Range or Dryer.

RAPID THERMOGAS COMPANY 25 YEARS THE PREFERRED LP GAS SERVICE

MAIL COUPON FOR MORE INFORMATION

RAPID Thermogas COMPANY

4509 East 14th Street, Des Moines, Iowa

Please send more information on:
- ☐ Caloric Gas Range
- ☐ Caloric Gas Clothes Dryer
- ☐ Name of nearest dealer

Name _____

Address _____

Rapid Thermogas Plants Located At:

Algona, Allison, Cedar Rapids, Charles City, Cherokee, Clinton, Decorah, Des Moines, Emmetsburg, Grinnell, Mason City, Ottumwa, Pocahontas, Radcliffe, Shenandoah, Storm Lake, Washington, Waterloo

TELEPHONES FOR CHRISTMAS

It's a gift idea that's catching on fast

WITH ALL THE DIFFICULTY people have in deciding what Christmas gifts to give, it was only a matter of time until someone discovered he could make a big hit by giving extension telephones.

The idea is catching on quickly. And again this year handy, helpful extension phones in gay colors will be happily given and received in thousands of homes.

The telephone company makes the idea even more inviting by offering to gift-wrap extension phones and to deliver them before the big day. They'll install the phones before Christmas if you tell them in advance.

How do you go about giving an extension telephone as a gift?

It's easy. Just stop in or call the telephone company. You can give gift extensions to someone in your home or many miles away in town or on a farm.

Extension telephones are favorites with women. Mrs. Glenn Knapple, Dawson County, Nebr., likes her wall phone, because it's so handy when she's in her kitchen. Wall phones are available in colors: red, green, ivory and beige. Women prefer extension phones in the bedroom, kitchen and basement.

Want to please a youngster? Extension phones in color really go over big with the younger set and make wonderful family gifts. Beatrice and Carolyn Webster give a "tops" rating to the ivory phone in their Nicollet County, Minn., home. This type of extension also comes in red, yellow, beige, green, blue, gray and brown as well as four two-tone combinations.

And don't forget Dad! Extension phones will save him a lot of time and walking when he's working outside. They're being put in barns, machine sheds, hog houses and milk houses. Henry Beyer, Sioux County, Iowa, says his chicken house phone is "one of the handiest things on our farm."

NORTHWESTERN BELL TELEPHONE COMPANY

NOW, At The *Same Low Cost*

HAIL INSURANCE

Plus Fire and Lightning Coverages

Hawkeye Mutual

HAIL INSURANCE COMPANY

FORT DODGE, IOWA • ESTABLISHED 1919

SAFETY FIRST!! Do your buying from firms advertising in Wallaces' Farmer and Iowa Homestead. If you do not find in Wallaces' Farmer and Iowa Homestead the articles you want to buy, just let us know what you want and we will be glad to give you names of reliable firms.

Country air

THERE is one more thing of the season just past that is worth savoring. I hope you all had a similar event. As I remember they were often events put off from day to day by the distaff side of a farm household. Those are the rides over the farm to get an overall view of the business "plant."

I like to recall a day this fall when the three of us—the farm manager, the farmer and I—took a buggy ride in the farm manager's car. We all saw the same things. There is nothing so revealing as a ride over a hill in autumn after weeds that didn't get clipped in pastures until they went to seed.

It's the time of year that a farm looks like a tired old woman who is plain poohed out after a busy season. A woman who looks like she needed a shampoo and a permanent. She needs her nails manicured, and the heels on her every-day shoes straightened. Her slip hangs, and her apron is torn. She'd better watch her posture too.

But that day we saw behind the need for good grooming and sagging posture. There was the new fence I've wanted for several years. It angles crossfarm thru a ravine that best divides the contoured fields. The plum thicket and young volunteer maple seedlings had been bulldozed out. The renovated pasture had lived up to its promise and was taking good care of the stock cow herd.

We didn't get to examine the new tiling where there may be a break where a corner fence post was pulled out. The tile didn't have a chance this summer tho. While we had rain enough for good corn, we'll have to wait for a higher subsoil level to see what that tile can do.

As we drove the ridge at the other farm, I let my mind wander. I wished I could remember where Grandpa had pointed out the spot that old timers had said there had been a buffalo wallow long years before. I wondered how long buffalo wandered over these acres. Or if they ever did. How startled they would have been to be around this year with the tractors and noisy cornpickers about. Their very humps would have shivered in fright.

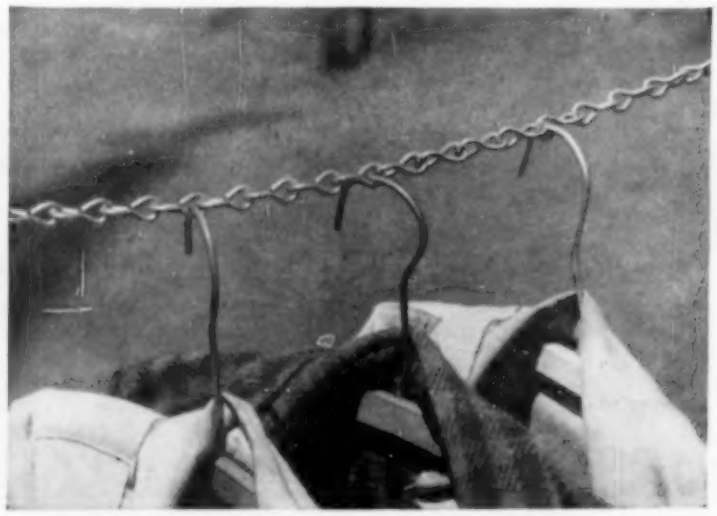
I should feel defrauded if a year went by and I did not get a trip over the Mississippi. I began to think this might be the year. But a friend new to eastern Iowa chanced to remark that Galena, Ill., sound interesting. Another Mississippi river fan and I set out to tell her of all the interesting spots along the river.

There is a definite sense of history along both sides of the river. As various old houses with wide cornices, an old stone barn or a huge Catholic church appeared over the horizon, they seemed to bring Julian Dubuque, the Jesuits, and early settlers to mind. The beautiful modern bridge over the river is in sharp contrast to the ancient stone shot tower that overlooks it from the Illinois side.

We visited the house that the citizens of Galena gave to General Grant on his return from war. We two eastern Iowa fans had listened to too much history handed down by word of mouth —the way we like to remember folk tales, and, I fear, pass on historical inaccuracies.

Anyway the Galenians set me right and I meekly "bought a pamphlet" which I hope is right. At any rate, the Mississippi landscape is always beautiful and stimulating. And whatever you remember of its history, it is worth knowing. — **Elizabeth C. Wherry.**

Coat hangers won't slide . . .



IF YOU USE a chain when airing clothing, hangers may be placed as far apart as desired without sliding together.

Clean eggs are being gathered by Harley Ouverson of Cerro Gordo county, Iowa. Eggs are laid in nest, then roll to front of nest away from other hens. Eggs stay cleaner in this roll-away nest.

The farm flock

EGG PRODUCTION in Iowa during October continued at a record high level, according to the Iowa Crop and Livestock Reporting Service. The October production of 349 million eggs was only slightly larger than during the same month last year. But it was 22 percent above the 1945-54 10-year average.

▼ ▼ ▼

RATE OF LAY per 100 hens for October was 1,479 eggs. This is the second highest rate of lay—second only to the 1,488 eggs per 100 hens in October of 1955.

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THE NATION'S laying flocks averaged 323 million layers in October, one percent more than in October, 1955. Potential layers—hens and pullets of laying age and pullets not of laying age—on farms November 1, totaled 383 million, one percent less than a year ago. And 15 percent below average.

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EGGS PER LAYER for the first 10 months of this year are estimated to be 166 eggs compared with 164 last year during the same period, and an average of 148. Total egg production during October was up four percent over a year earlier.

▼ ▼ ▼

FARM FLOCKS are on the way out. That's the prediction made by several experts. These experts say that midwest poultrymen can't compete with the larger specialized egg producers. Iowa layers averaged 204 eggs per layer in 1955 under farm flock conditions. The best specialized egg producing states averaged 211 eggs per layer. Looks like farm flocks will be around for many years in the midwest.

▼ ▼ ▼

MIDWEST egg producers will likely increase the size of their flocks. This will require additional houses and equipment. Large flocks are usually more economical in the long run. Flock size has increased some as better markets for shell eggs have developed. Now that Iowa has an egg grading law and an egg quality producing program, Iowa egg producers can compete with any group of egg producers on the quality and quantity basis.

▼ ▼ ▼

AUTOMATIC TIMER set to give your layers 14 hours light a day may be a good investment. You get more eggs by giving the layers more light. The extra light seems to stimulate the egg laying organs of the hens.

▼ ▼ ▼

YEARLING HENS should be culled closely if you plan to keep them. One Story county farm wife has the pullets in the laying house and the yearling hens in a temporary house. Hens are turned out in the afternoons.

▼ ▼ ▼

IF CANNIBALISM breaks out among your pullets, the one positive way to stop it is to cut the upper beak back about one-third way. This is done most satisfactorily with an electric debeaker, advises David D. Jackson, extension poultryman at Purdue University. The electrically heated blade cuts and cauterizes the beak as it passes thru. The operation may set pullets back in production, depending upon how long they have been in production.

▼ ▼ ▼

CLEAN EGGS should not be washed. Washing will remove the "bloom" from the egg and may cause spoilage unless washing is properly done. Sort clean eggs from dirty ones. Pack the clean eggs in the case. Clean the slightly dirty eggs on a mechanical buffer. Then if necessary to wash eggs, wash only the dirty ones. Be sure water is warmer than the eggs, and change water often. Use a detergent-sanitizer in the water to clean and disinfect eggs during washing.

DEKALB WINS

Three Year Average in California Random Sample Test!

The DeKalb Entry in the 7th California Official Random Sample Egg Laying Contest

HIGHEST 3 YEAR AVERAGE, SEVENTH CALIFORNIA OFFICIAL RANDOM SAMPLE EGG LAYING TEST. THE DEKALB ENTRY AVERAGED 254 EGGS PER PULLET (BASED ON THE NUMBER OF PULLETS AT ONE WEEK OF AGE) IN THE LAST 3 TEST YEARS. AVERAGE INCOME OVER FEED COST FOR THIS PERIOD WAS $4.71.

SEE YOUR DEKALB DEALER FOR DEKALB CHIX.
They'll Be Hatched & Serviced By:

A & D HATCHERIES, Sigourney, Iowa
ANDERSON HATCHERY, Primghar, Iowa
BALDUS HATCHERY, Nevada, Iowa
BALDUS HATCHERY, Story City, Iowa
BELL'S HY-WAY HATCHERY, Atlantic, Iowa
BIGGS HATCHERY, Mt. Pleasant, Iowa
BLOOM'S HATCHERY, Shenandoah, Iowa
BUTZ HATCHERY, Garner, Iowa
CLOVER LEAF HATCHERY, Algona, Iowa
COOK'S HATCHERY, Spirit Lake, Iowa
COUNCIL BLUFFS HATCHERY Council Bluffs, Iowa
DRAKE'S HATCHERY, Blairstown, Iowa
EMMETSBURG HATCHERY, Emmetsburg, Iowa
ERNST HATCHERY, Adair, Iowa
FARMERS HATCHERY, Denison, Iowa
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HAWARDEN PRODUCE and HATCHERY Hawarden, Iowa
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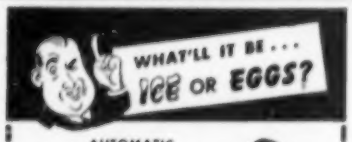

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Double decked roosts in the laying house on the John Lindemann farm in Johnson county, Iowa. Hens spend most of their time on the roosts.

More hens but less work

KEEPING more hens and doing less work sounds like a good idea. And it can be done.

Mr. and Mrs. John Lindemann of Johnson county, Iowa, figured a way to double the hen capacity of their laying house. And it takes less work too.

They have 850 layers in a house that has only 860 square feet of floor space. That's about one square foot per layer. Usual allowance is about three square feet per layer.

"We don't know exactly how it will work, but so far it's working out fine," Lindemann said. The house is divided into two pens with yearling hens in one pen and pullets in the other.

The pullets were laying at a rate of about 80 percent and the hens at about 55 percent.

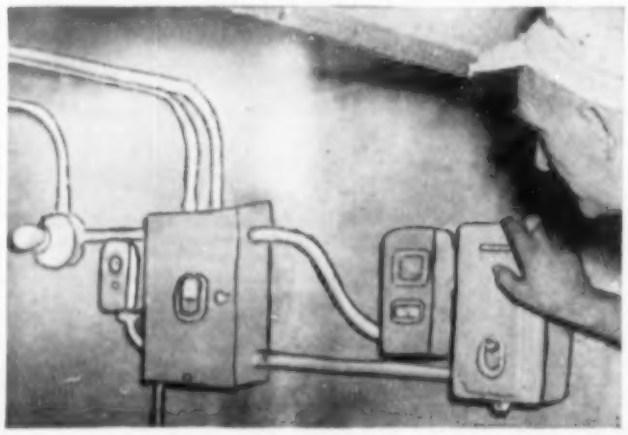
The house has double decked roosts. Automatic feeders run the length of both the lower and upper roosts. Automatic water fountains are also located on the roosts.

Layers spend most of their time eating or drinking on the roosts. The droppings fall into a pit below the roosts.

The pit is cleaned with an automatic gutter cleaner. "I can clean out the pit in five to seven minutes," Lindemann says.

"Converting the laying house cost about as much as it would cost to build another house of the same size. But what we wanted was to have more hens and do less work. I think we have it in this set-up," Lindemann said.

Feeding is automatic in the Lindemann laying house. Feeders and waterers are on the roosts.



Automatic switches do everything but gather the eggs in the Lindemann laying house. Lights, ventilators, feeders, waterers and gutter cleaner are all automatic.

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Storing Eggs On The Farm

A new idea for holding eggs on the farm may prove practical. In laboratory tests at Iowa State College, eggs kept better in closed containers than in wire baskets.

Leonard Z. Eggleton, poultry marketing specialist at the college, says this idea could change present recommendations for gathering and storing eggs on the farm.

Field tests will be run next summer using actual farm flocks to see if it works as well as in laboratory tests.

Eggleton explained that the college test showed only half as much loss of egg quality in sealed containers as in wire baskets at room temperature of 74 degrees.

The sealed containers kept more carbon dioxide within the egg. The carbon dioxide kept the egg white from breaking down and forming what are called "watery" eggs.

Results of further studies will be reported later, along with any changes in recommendations for gathering eggs.

Grain Sorghum For Chicken Feed

Poultry can use properly supplemented grain sorghums in place of corn almost on a pound-for-pound basis, says Glenn H. Thacker, extension poultryman at Iowa State College.

He advises replacing not more than half the corn in the ration with grain sorghums. They are lower in vitamin A, and sometimes higher in protein and fiber, but about the same in energy.

Sorghums can be used in poultry mashes the same as ground corn. Or, they can be fed as part of the scratch grain.

Housewives Want Good Eggs

High quality, clean eggs are what the housewife looks for at the supermarket. And if she can get good eggs, she will continue to buy them.

Any quality control program improves the egg quality at the farms where they are produced. Such programs should increase egg income on most farms if the price incentive is enough.

Iowa egg producers must produce top quality eggs to keep present markets. About 80 percent of eggs produced in Iowa must be sold in other areas.

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College feeding trials conclusively prove the need for trace minerals in the rations of all livestock. Most farm lands are short of one or more of the essential trace minerals—**cobalt, iodine, iron, copper, zinc** or **manganese.** So feed Morton T-M Salt the year 'round to guard against mineral deficiencies . . . assure yourself of *more* milk, *more* meat, *more* wool and a higher return from each feed dollar.

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Farm News Briefs

R. K. BLISS, professor of agriculture at Iowa State College and long-time director of the Iowa Extension Service, received a high award last month. The national professional extension fraternity, Epsilon Sigma Phi, presented Bliss the Distinguished Service Ruby at its annual meeting at Washington, D. C. The award was the only one given this year.

Bliss was born on a farm near Diagonal, Iowa, in 1880. He was graduated from Iowa State College in 1905. He was director of extension in Iowa from 1914 until he retired in 1946.

▼ ▼ ▼

CATTLE FEEDING profits during 1957 will be below 1956 levels. That's the prediction of Francis Kutish, farm economist at Iowa State College. Shipments of feeder cattle into the Corn Belt were up sharply during summer and early fall as compared to a year earlier. Kutish looks for more long-fed cattle next summer and fall. So next fall's price rise will be less than this year's upturn, he indicates.

▼ ▼ ▼

RECORD TURKEY crop is being grown this year, says Glenn H. Thacker, Iowa State College poultryman. Turkey production is up all over the country, Thacker points out, with the three leading states—California, Iowa and Minnesota—all showing unusually large increases.

▼ ▼ ▼

RED CLOVER seed production in Iowa was cut sharply by the drouth, says E. S. Dyas, Iowa State College agronomist. Production this year is estimated at 1,944,000 pounds—compared to the 10-year average of 11,694,000 pounds. For the nation, red clover seed production is down four percent.

▼ ▼ ▼

COMING EVENTS: Northern States Turkey Show, Alexandria, Minn., December 4-6; North Central Weed Control Conference, Chicago, December 10-12; American National Cattlemen's Association Convention, Phoenix, Ariz., January 7-9; Annual Convention Iowa Farmers Grain Dealers Association, Des Moines, January 28-30; Annual Convention National Association of Soil Conservation Districts, St. Louis, Mo., February 3-7.

"You better not let Ma catch you throwing tantrums . . . She'll whale the daylights out of you."

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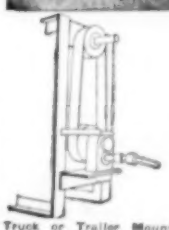

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JON-E FLUID faster lighting, longer lasting. Excellent for cigarette lighters too. **8** oz. can, **45c**, **16** oz. can, **75c**

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Farm and Feedlot

Rats Move With Cold Weather

When cold weather comes, rats and mice leave their summer homes in the fields and fence rows for the security of farm buildings.

So you'd better protect the corn in your cribs by setting out poisoned bait. That's the advice of G. C. Oderkirk, Purdue University rodent control specialist.

Anticoagulant poisons like warfarin, pival or fumarin are recommended by Oderkirk. These poisons are less likely to hurt animals other than rats.

In addition to setting out poison baits, Oderkirk advises cleaning up the farmstead so rats and mice won't find shelter on your farm.

Ice-Free Water At Lower Cost

There are several things you can do to keep down costs of electricity used to heat livestock waterers.

Location of the waterer was one of the major factors that controlled the amount of electricity used in tests at Iowa State College. According to Larry Altman, USDA agricultural engineer stationed at the college, sheltered units used as much as 673 less kilowatts than the same kind of waterers in open areas.

Good locations include the south side of buildings or inside of buildings.

Using an automatic waterer that is larger than necessary also adds to operating costs. Keeping water warmer than needed adds to the electric bill and is of no advantage to livestock.

If possible, set the thermostat of an electrically heated waterer so it is off at incoming water temperatures. That way, the incoming water actually adds heat to the water already in the trough.

Legume And Grass Seed Limited

Look for higher prices on grass and legume seed next year.

That advice comes from H. E. Thompson, agronomist at Iowa State College. Drouth and lower acreages have resulted in a short forage seed harvest, he explains.

Price increases for alfalfa and orchard grass seed may not be as great as for other seeds, Thompson says. The alfalfa seed supply is about 60 percent above average. And the orchard grass seed supply is a little above average.

Supplies of other legume and grass seeds, however, are below normal.

Timothy and bromegrass seed supplies are about one-third below normal. Alsike clover is 13 percent below average. Ladino clover seed supplies are down 20 percent from average. Red clover supplies are down 10 percent. But the sweet clover seed supply is about average.

Lester Pfister ON DEEP PLOWING

PFISTER HYBRID CORN CO. The 187 HYBRIDS EL PASO, ILL.

Jerry Pfister, left, and Lester Pfister measure deep-plowed furrow. Four bottom Towner 44" disk plow they used is in background.

Fall plowing 18 to 22 inches deep produced a wide variation in the rate of plant growth early in the following season. Apparently this was due to lack of organic matter and plant food in the plowed-up sub-soil. This variation decreases gradually each year when stalks and nitrogen are plowed under. A low fertility top soil should **not** be plowed under. Water absorption and retention were substantially increased by deep tillage.

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Removes Frozen Silage Easier — Faster

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to Condition Brood Sows

STANDARD CHEMICAL MFG. CO., Omaha, Nebr.

How will you vote on Dec. 11?

Farmers will indicate choice of corn plans

IN THE referendum on December 11, corn farmers will face their most bewildering decision since the beginning of farm programs.

On a straight dollars-and-cents comparison, farmers in good corn country may see some advantage only in the base acreage provision ("acreage reserve") under which cornland itself is shifted to the soil bank. (See below.) They would not be limited on the extent to which they used the rest of the farm for any other cash crop not under acreage or marketing limitations .

Under the allotment plan, the complying farmer would need to keep corn plantings about 27 percent below his corn base acreage. For example, if he had a 100-acre base, he would have 73 acres in corn instead of 85 acres as under the other plan.

The loan rate in that case would be only five cents per bushel higher, not a great difference. But he would be permitted to use for other crops every one of the acres taken out of corn. Whether this would give a greater income return than the base acreage plan would depend, of course, upon market prices for those other crops and on yields, as influenced by weather.

The most disturbing thing about voting for the soil bank base acreage plan is the fact that it provides no guarantee against still lower corn loan rates in 1958 and 1959. On the other hand under existing law, smaller allotments could be set under the acreage allotment plan.

Soil Bank Corn Base Acreage Plan:

(In effect if favored by 2/3 or more ballots cast)

What You Do To Comply

Cropland equal to 15 percent of corn acreage base must be set aside for non-use.

Set-aside acres may be provided by holding 1957 corn plantings to 85 percent of base. In that case you are not obliged to keep these acres out of use longer than thru 1957. As in 1956, however, it probably will be necessary to control erosion and noxious weeds.

Or you may put all of your base acreage to corn and set aside not less than five acres by reducing planting of another crop than corn. But in that case you agree to maintain on these acres an approved soil-conserving cover, such as grass or trees, thru 1957 and also thru at least two additional years (or for at least four more years if the government assists on costs for seed, etc.).

But where the farmer plants corn up to base, he also shall agree for the contract years not to reduce his other soil-conserving or idle acreage below his average of such acreage in the two years immediately past.

Or, as a compromise one can shift land to the soil bank, partly from the corn base and partly from other acreages.

What You Get

Price support for corn (thru loan or purchase agreement) at the rate of 74 percent of parity, that is, $1.31 per bushel, U. S. average ($1.26 Iowa average).

If your required set-aside acreage is provided by holding 1957 corn plantings to 85 percent of base acreage, you qualify for the "acreage reserve" payment. This payment in 1957 will again be 90 cents per bushel of the so-called "normal" corn yield established for the set-aside acres. (On a per-acre basis, Iowa average will be about $45.)

If your required set-aside acreage is provided by reducing planting of another crop than corn, (that is, with the base acreage fully planted to corn), you qualify for the "conservation reserve" payment. This payment in 1957 will average $10 per acre for the U. S. ($12 in Iowa) for each year of the time period specified in the agreement. In the first year of the contract period, the federal government at your request also will share up to 80 percent of the average cost of establishing proper cover, etc., on this "conservation reserve."

Corn Acreage Allotment Plan:

(In effect if favored by more than 1/3 of ballots cast)

Corn plantings in 1957 must not exceed the allotted acreage. This allotment is about equal to 73 percent of the corn base acreage.

However, the land thus kept out of corn may be utilized for other crops.

Altho it is not necessary to set land aside in the soil bank if allotments are in effect, the complying producer may do so either by planting corn below his allotment or by going below his most recent two-year average on other non-conserving crop uses.

Price support for corn (thru loan or purchase agreement) at the rate of 77 percent of parity, that is, $1.36 per bushel, national average ($1.31 Iowa average).

The payment rates for setting land aside in the soil bank, if allotments are in effect, are the same as those set forth above for the corn base acreage plan.

Farmers' questions on referendum

Producers will vote December 11 on corn adjustment plan to be offered in 1957

1. When and where will the corn referendum be held?

Answer—On Tuesday, Dec. 11, at township centers or other designated local polling places, beginning at 8:00 a. m.

2. Who will be eligible to vote?

Ans.—In brief, any tenant, sharecropper, land owner or landlord (other than one leasing for standing, cash or fixed rental) entitled to share in the proceeds from production of corn in 1956 on land within the designated 1957 commercial corn area.

3. How many states and counties are in the commercial corn area?

Ans.—A total of 894 counties in 24 states. All of Iowa is included.

4. What is the choice for referendum voters?

Ans.—The soil bank corn base acreage plan or the corn acreage allotment plan. See details on page at left.

5. What determines which plan will be offered corn producers in 1957?

Ans.—If two-thirds or more of the total ballots favor the soil bank corn base acreage plan, then it will be the one offered in 1957. If that plan is favored by less than two-thirds majority, then the corn acreage allotment program will be in effect.

6. For what period of time is the referendum result binding?

Ans.—FOR 1957 THRU 1959, ON THE SOIL BANK BASE ACREAGE PLAN UNLESS CONGRESS AMENDS OR SUPERSEDES THE SOIL BANK LAW WITH NEW LEGISLATION. There is no provision now for annual balloting on choice of corn program.

7. Will it be compulsory to comply with whichever plan is adopted?

Ans.—NO. There is no provision in present laws under which corn producers may vote for compulsory compliance with planting or marketing limits, as in the case of wheat, cotton and tobacco.

8. Will all eligible producers be notified of their 1957 corn acreage allotments and base acreage figures prior to the referendum?

Ans.—Yes, not later than December 7.

9. What is the soil bank corn base acreage, and how is it determined?

Ans.—The corn base acreage is your proportionate share of a national base acreage figure of 51 million acres, established last spring by the Congress as the starting point for shifting land into the soil bank. This national figure is divided into individual farm bases by local committeemen according to past corn production on the farm, soil capabilities, and so on.

10. What is the corn acreage allotment, and how is it figured?

Ans.—The national corn allotment is that acreage under the law which the Secretary of Agriculture determines will not result in an excessive supply, considering existing stocks and prospective demand. The national allotment is sub-divided among individual producers in much the same way as the national soil bank corn base acreage.

11. Will the "normal" corn yield figures for computing soil bank payments be the same as those used in 1956?

Ans.—In most cases, yes. However, upward adjustments will be made for some counties, where weather conditions were clearly abnormal during the past five years.

12. How are the price support rates determined? Why are the 1957 rates so much lower than those in effect in 1956?

Ans.—Under the so-called flexible price legislation of 1954, pertaining to corn acreage allotments, the Secretary of Agriculture is authorized to lower the support price toward the minimum of 75 percent of parity as the carry-over increases. Corn carry-over currently is at a record level.

Support rates under the corn base acreage plan, according to the law, shall be "at such level as the Secretary determines will assist producers in marketing corn in the normal channels of trade, but not encourage the uneconomic production of corn."

13. Will there be a separate price support rate for corn in 1957 grown by noncomplying producers?

Ans.—Secretary Benson said on November 14 that there are no plans to offer such "non-compliance" price supports.

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Marvin Naeve, Bryant, Iowa

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"After more than two years on an ARBIE Feeding Program, averaging ½ to ¾ of a pound of supplement per day, we have had equal, if not better, results and have cut our feed costs nearly in half.

"We feed out several hundred cattle per year. On 67 head shipped Sept. 25, Oct. 8 and Oct. 9 we received $30.50, $31.50 and $32—top price in their weight on the Chicago market. There were no culls.

"These cattle gained right at 2 pounds a day on over 300 days feeding, and part of this time they were on pasture."

Marvin Naeve, Bryant, Iowa

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4-H and F.F.A. MEMBERS

To be sold at Meredith Farms, located ½ mile North of Junction 6 and 64, and No. 141, then east ½ mile on Meredith Drive. Those coming from East on No. 6 and 64, come to Beaverdale, turn North ½ mile to Meredith Drive and ½ mile west to farm, Northwest of

Des Moines, Iowa
Friday, Dec. 14

94 HEAD

23 1956 Heifer Calves
21 1956 Bull Calves
16 1956 Steer Calves
17 Young Cows with Big Lusty Calves at Side

Calves, pleasing in type, good heads, low-set, thick-fleshed, smooth and the kind that do good. Breeding that is your assurance of best quality.

They are sired by the following good sires:

7 bulls 1 heifer by R. S. PRINCESS MIXER 10th
4 bulls 5 heifers by F. R. C. ZATO HEIR 5th
5 bulls 7 heifers by BATTLE INTENSE 92nd
2 bulls 3 heifers by PHR DONALD DOMINO 18th
6 heifers by SILVER PRINCE

The dams are daughters and granddaughters of the famous **BATTLE SPARTON 8th.** Breeding unexcelled. You can find herd bulls here, foundation females and plenty of top quality calves for CLUB members.

It takes good, richly-bred females like these . . . mated to top herd sires to produce top quality calves. That is what we are offering in this sale.

17 DESIRABLE YOUNG BREEDING COWS WITH FINE CALVES

Some excellent calves 9 bulls, 4 heifers, 2 steers, sired by **FRC ZATO HEIR 5th** and **SILVER PRINCE.** Here are calves that will please. The **16** steer calves selling are by **RS PRINCESS MIXER 10th** and **PHR DONALD DOMINO 18th.**

OPPORTUNITY — The real opportunity of the season for Club members to secure calves, well-grown, proper type and breeding, by great herd sires, out of grand cows, from a wonderful cow herd. The kind that should make a creditable showing at major shows in 1957. COME! Make admirable and profitable selections at your own price. For FREE catalog and information write now. Please mention this publication. Address

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Auctioneer: Emerson Marting J. E. Halsey & Arch Stone, Fieldmen

LIVESTOCK NEWS

The **Hereford** production sale of Disselhorst Farms, Quincy, Ill., and Leland Shupe, Mendon, Ill., at Mendon, Ill., Nov. 3 attracted good cattlemen from a wide territory and those present purchased well-bred cattle at conservative prices:

17 bulls averaged $239
35 females averaged $203
52 lots averaged $213

The top bull, DF Zato's Heir 29th, a two-year-old son of Zato's Aristocrat, sold for $470 to Henry B. Karr & Son, New Salem, Ill. Prince Jim Domino 9th from the Shupe herd went at $350 to Paul Coleman, Ipava, Ill. Proud Plus sold for $325 to Lloyd E. Tolan, Huntsville, Ill.

The top female was DF Aster 76th, the Disselhorst show heifer, and sold at $350 which was a real bargain and purchased by Betty Ann Dorothy, Warsaw, Ill. DF Aster 435th, another valuable show heifer, sold for $345 to Tom D. Dorothy, Warsaw, Ill. Auctioneer was Emerson Marting.

The **Angus** sale for W. F. and Keith Voris held on their farm near Osceola, Iowa, Nov. 8 drew the first cold day of the fall season which no doubt held the crowd down.

Most of the offering were 1956 calves along with a few yearlings and a couple cows. The 55 head averaged $147. The 20 1956 bulls averaged $137 and the 35 females $153.

Top bull was lot one, Ernow Prince 54th. He sold for $225 to Cecil Lutz, Osceola, Iowa. Second high was lot six, Prince Baden Marshall, selling for $215 to Clarence Neisemeier, Lorimor, Iowa.

Top of the females was $200 paid by Ray Eichelberger, Glenwood, Iowa, for lot 40, Miss Baden Marshall 32nd, and lot 42, Bandolier Barbara V 2nd. All the cattle sold to Iowa buyers. Auctioneer was Keith Good.

Cold windy weather greeted the fairly large crowd of Missouri and Iowa sale goers at the Spring Creek Pasture Production **Hereford** sale at Green Castle, Mo., Nov. 8. Averages were as follows:

4 bulls averaged $235
61 females averaged $150
65 lots averaged $155

Top of the auction was $445 paid by Ralph Brammer, Carlisle, Iowa, for ZH Prince 662d, an April '56 son of TR Zato Heir 233th from an Advance Domino Mischief dam.

Two open three-quarter sisters to the top selling bull, shared the honors as top selling females at $350, the bid of Bianchi and Sanford, Macon, Mo. D. C. Romberg, Keota, Iowa, paid $275 for ZH Princess 636th, a March '56 daughter of TR Zato Heir 423d.

Col. Gene Watson cried the sale.

A very well fitted, typey, well-bred offering drew much favorable comment from the large crowd of breeders from a six state area, at the **Hervale Farms' Polled Hereford** production sale, at Wayne, Nebr., Nov. 9. When the last lot had passed thru a ring, breeders from Nebraska, South Dakota, Iowa, Michigan, Illinois and Minnesota had their names on the buyer's list. Averages were as follows:

26 bulls averaged $384
26 females averaged $293
52 lots averaged $338

Hervalation 455th, a September '54 son of Hervalation 333rd TW, topped the auction at $1,150, the bid of Lawson Tjardes, Gibson City, Ill. Alvin Reher, Emerson, Nebr., paid $1,000 for Hervalheir, a June '54 son of the "333rd TW."

Gilbert Ahrensdorf, Lake Park, Iowa, paid $510 for the top selling female, a January '56 show heifer by Hervalation 33rd TW. Miss Super Aster 431st, a May '55 daughter of SRR Super Return, bred to the great young show bull, Hervaleer Jr., brought $490, the bid of Adolph Miller, Ree Heights, S. D.

Col. Charles Corkle cried the sale.

The third annual sale of calves for the **Western Illinois Hereford Association** Nov. 10 was satisfactory with an average of $165 on 17 steer calves and $150 on 32 heifer calves.

The top of the sale was heifer lot 20, RN Larry's Girl, entered by Roy Norton, Timewell, Ill., selling for $300 to Harlod Bale, Easton, Ill.

The top on steers was $250 paid for lot two consigned by Ernest Tainter & Son, Laharpe, Ill. His buyer was Lyon Watson, Macomb, Ill. The sale was managed by Secretary Robert Allen. Auctioneer was Tom Sherlock.

A large crowd of breeders and commercial producers from Iowa, Nebraska, South Dakota, North Dakota and Minnesota were on hand at the **Interstate Angus Breeders** show and sale at Sioux City, Iowa, Nov. 12.

38 bulls averaged $320
16 females averaged $360
54 lots averaged $332

Black Jestress T 35th, a Black Jestress daughter of Queen's Lad of Galva 300th, bred to the futurity champion, Black Conquester, topped the auction at $1,010, the bid of Axil Anderson, Cherokee, Iowa. Addis Greiman, Garner, Iowa, paid $535 for the reserve champion female, Oaknoll Mignonne, a May '55 daughter of Blackcap's Quality Eric consigned by Lloyd C. Albers & Son, Spirit Lake, Iowa. Marshall Queen of Pioneer, a September '54 heifer consigned by Fred Knop & Sons, Charter Oak, Iowa, was champion, and brought $340, the bid of Glen Eikmeier, Pipestone, Minn.

Dwight M. Garner, Ida Grove, Iowa, consigned the top selling bull, Black Prince 10th of Ida. He went to Robert Clausen, Holstein, Iowa, at $600. Lewis Meisel, Selfridge, N. D., paid $555 for the reserve champion bull, Elleenmere Verdict C 2d, a son of Elleenmere L 75th consigned by George G. and Duane Clark, Worthing, S. D. Champion bull was Prince E & B 256th, consigned by Mugge & Wold, Cleghorn, Iowa, and selling to George Witt, Arcadia, Iowa, at $530.

Cols. Roy Johnston and Ralph Kuhr cried the sale.

The fourth annual **Hereford** calf sale at Story City, Iowa, Nov. 17, under the able management of Leon Joy, brought out a very good attendance.

The consignors presented some very fine 4-H and club prospects. The top calf, lot 78, an attractive steer calf consigned by B. Fincham, sold for $250 to Sue Ellen Goode, Lacona, Iowa. Lot 12, an R. R. Fincham entry, sold for $195 to John Redding, Bode, Iowa. Lot 19, another G. B. Fincham calf, was selected by Allen Duea, Thorton, Iowa, at $180. Lot 35, consigned by O. Lein, sold for $170 to Gerald Ready, Otteson, Iowa.

The 46 bull and steer calves averaged $131 each. The top heifer calf, lot 22, a G. B. Fincham calf, sold for $140 to Russell Sparks, Farrar, Iowa. The 23 heifer calves averaged $109 each. Leon Joy cried the sale.

"OPPORTUNITY"
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Sale at 12:30 P.M. Lunch available at the very clean modern sale barn, located 18 miles S.E. of Iowa City, at

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SATURDAY, DECEMBER 15
Selling 52 Lots
38 TOP QUALITY 1956 CALVES

Bull, steer and heifer calves, all suitable for 4-H and FFA club projects. Included will be a very outstanding group of heifers, the best we have ever offered.

4 Long Yearling Bulls, ready for service - 3 Cows with baby calves at side - 4 Bred Heifers - 3 Bred Cows

ATTENTION 4-H and FFA MEMBERS: All members of 4-H and FFA clubs that sign in before the sale will be eligible for a top quality, six month old heifers calf, that will be given away.

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HHR DW 23rd T131st—One of the top sons of the great Halbert and Fawcett herd sire, Domestic Woodrow 23rd.
MC DON DOMINO 3rd—Grand Champion and top selling bull at the 1949 Iowa State Show and Sale.
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John Castello.....O'Fallon, Ill.
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Auctioneer, Guy Pettit — T. W. Sherlock, Fieldman

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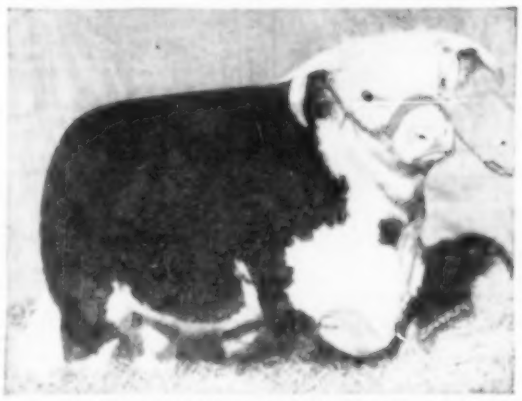

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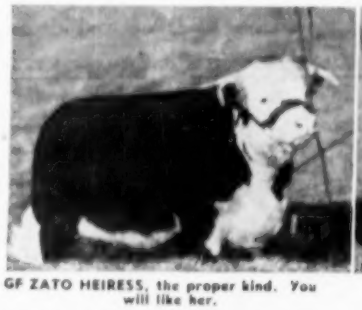
20 ATTRACTIVE BRED AND OPEN HEIFERS
20 BULLS, INCLUDING 2 ZATO HEIR HERD SIRES

GF ZATO HEIR, a genuine herd bull prospect. The kind for improvement.

NPR SUPER MILL 454th, by Mill Iron H947th by Colo Domino C. 18th



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GF ZATO HEIRESS 9th, one of the choice females in the sale.

GF DANDY STARLET 14th, a beautiful heifer selling.

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Also the service of the great **NPR SUPER MILL 454th.** The Get of **MW PRINCE LARRY 62nd,** twice Denver Champion. His sire MW Larry Domino 37th ranks **6th** on the Register of Merit and his Dam MW Miss Mixer 12th ranks **2nd** among Register of Merit Dams. He sells, his Get and Service. Other outstanding herd bull prospects. You can find a herd bull in this great dispersion.

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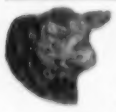

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son of Evadets Quality Bardolier
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LIVESTOCK NEWS

Iowa, Illinois and Missouri breeders and buyers packed the sale barn at the Chas. O. and D. C. Romberg **Hereford** dissolution sale at Keota, Iowa, Nov. 2. Prices on the attractive, but not highly fitted offering were as follows:

10 bulls averaged $340
38 females averaged $261
48 lots averaged $277

Brokaw Hereford Farm, Kewanee, Ill., paid $950 to own the top selling bull, Bow Dom Donation 17th, a May '53 son of Via Dom Donation by Dominus Donation. Several of his sons and daughters sold, and were in strong demand. L. H. Stagg & Sons, West Liberty, Iowa, paid $800 for Dr. Blocky Ladd 2d, an outstanding January '55 son of BHR Helmsman A104th.

Top on females was $675 paid for Miss Bell Rupt K. 58th, a nine-year-old daughter of Bell's Rupert K2d, and her heifer calf, DR Miss Rupt. K. Dom A, a February '56 daughter of the top selling bull. Marvin L. Bohr & Son, Wellman, Iowa, paid $365 for the cow, and Wayne Bush, Lost Nation, Iowa, took the calf at $310. Bells Rossette 407th and her heifer calf brought $420. Lee Bros., Letts, Iowa, took the cow at $215, and the calf went to Arthur L. Charbon & Son, Iowa City, Iowa, at $205.

Col. Emerson Marting cried the sale.

The **Dunn Hereford Farm** second production sale at Bible Grove, Mo., Oct. 30 drew a very good attendance. They presented a choice lot of young well-bred cattle with the following results:

14 bulls averaged $242
30 females averaged $303
44 lots averaged $284

The top female was Miss Royal Minta 4th and April heifer calf by CK-10th-7th Crusty 2nd, selling for $650 to Marvin Watt, Green City, Mo. Miss Bell Duke and April bull calf sold for $520 to Dewey Grimm, Pulaski, Iowa. Harold Sellway bought Lady True Mold 3rd and January heifer calf at $435. Some of the calves were sold off the cows, but the general averaged included the cows and calves as one lot as catalogued.

The top bull, Missouri Helms A. 6th, a September yearling, went at $440 to Everett Bull, Liverpool, Ill. Missouri Helms A. 8th sold for $400 to Troy Smith, Rutledge, Mo. SH Zato Heir A. 50th went at $315 to Worrell Bros., Luray, Mo. Only four of the bulls calved in 1955; others were 1956 calves. Cattle went to buyers in Missouri, Iowa and Illinois. Auctioneers were Emerson Marting and George Morris.

The Raycel S. Hagen, Mercer, Mo., **Hereford** Production sale Nov. 6 attracted a very good attendance. Most of the cattle were young cattle without any special fitting, right off of pasture and sold as follows:

8 bulls averaged $188
59 females averaged $170
67 lots averaged $173

The top bull, Onward Larry 1st, sold for $240 to Lloyd Purdun and H. J. Lane, Blythedale, Mo. Royal Monagram sold for $220 to Howard Castel, Princeton, Mo. Some of the bulls were about 12 months old.

The top female was Flashy May and bull calf at $235 to Lloyd Purdun and H. J. Lane. They paid $225 for Delight Monagram and bull calf and the same $225 for Alto Royal and heifer calf. There were several heifers sold from 12 to 14 months old.

Auctioneer was Freddie Chandler.

The 26th semi-annual **Northeast Missouri Hereford Association** sale, Memphis, Mo., Nov. 1 attracted cattlemen from the immediate territory with the following results:

19 bulls averaged $221
39 females averaged $160
58 lots averaged $180

The top bull, S.S.M. Mischief Helmsman consigned by W. C. Simpson & Son, went at $445 to Howard Bash, Williamsburg, Mo. Larry Triumph 2d consigned by A. G. and Olive Evans sold for $380 to L. V. Foresman, Niota, Ill. Larry Mixer 6th from the Dean Gaffney & Son farm sold for $365 to John S. and Dean Barber, Wyaconda, Mo.

The top females were Miss Duchess and Mo. Duchess, both consigned by Roy Clark & Son and selling for $215 each to Bill Austin, Gorin, Mo.

Auctioneer was Emerson Marting.

The **Iowa Polled Shorthorn Association** show and sale held at Boone, Iowa, Nov. 2 averaged $170 on 41 lots. The 16 bulls averaged $217 and the 25 females $138.

The champion bull was lot three, R. L. Flamme and Earl Girton entry, Cloverdale Viking. He went thru the sale at $425, going to N. O. Thomon, Mason City, Iowa. The reserve was lot five, HTR Conquest 2d from the L. C. Bolzon farm, Decorah, Iowa. He went for $295 to Burr Oak Stock Farm, Panora, Iowa.

Top of the females was lot 20, Undine Maiden consigned by Arnold Ferguson, Laurens, Iowa. She brought $265 from Miner Blum, Terril, Iowa. The champion was lot 31, Princess 41st of Scot-Land, entered by Bayard W. Scott, Vinton, Iowa, and sold for $180 to John Oeser, Westside, Iowa. The sale was managed by Secretary W. A. Carr. Auctioneer was J. E. Halsey.

A pleasing group of well bred **Herefords** drew a large crowd of breeders and commercial men to Orient, Iowa, Oct. 31, to attend the joint sale of T. M. Hayden, Creston, Iowa, and Harvey L. Rostat, Greenfield, Iowa. Averages were as follows:

15 bulls averaged $245
43 females averaged $229
58 lots averaged $233
3 steer calves averaged $166

Kenneth Beaman, Bridgewater, Iowa, paid $515 for the top selling bull, R. Battle Intense 13th, an April '54 line bred Battle Spartan 8th bull from the Rostat consignment. Portage Mixer 5th, a seven-year-old son of Portage Plus Mixer, from the Hayden herd brought $300, the bid of Ferris George, Kelley, Iowa.

Top on females was $480 paid by Hawkeye Hereford Farm, Kellogg, Iowa, for Heiress Domino, a September '47 daughter of WHR Heritage Domino with heifer calf by A. H. Zato. She was from the Hayden consignment. Blanche Star, a three-year-old daughter of Star Prince Mixer, and bull calf by J. Flashy Aggressor 3d, consigned by Mr. Rostat, brought $342.50. Raymond Bermeister, Hancock, Iowa, paid $137.50 for the calf and Millen Farms, Manchester, Iowa, took the cow at $205.

Col. Emerson Marting cried the sale.

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LIVESTOCK NEWS

The **Hereford** calf sale of Orval Burchett & Sons, Grand River, Iowa, Nov. 2 was very successful. The top bull calf, Burchett Duke 9th by Pearson R. Duke 24th, sold for $205 to W. R. Worrick, Grand River. Two heifers sold for the same price—Burchett Duchess 13th and Miss Burchett E. 24th. Both went for $167.50 each to Leroy Kemmerer, Boone, Iowa, who purchased eight females. The entire sale averaged $147.50.

Many of the midwest's leading breeders packed the ringside at the **Bianchi and Sanford Hereford** calf sale at Macon, Mo., Nov. 14. A very attractive young offering of well-bred cattle was in very strong demand thruout the auction, and averages were as follows:

34 bulls averaged $629
24 females averaged $316
58 lots averaged $500

Zaring Hereford Farm, Columbia, Mo., paid $5,000 for the top selling bull, an extra lot son of Zato Heir 423d that stood third in class at the recent American Royal Hereford show. Zaring Hereford Farm also paid $2,500 to own BHR Royal Zato 8th, an October '55 son of TR Royal Zato 46th.

Top on females was $500 paid by Tomlin and Wooland, Mason City, Ill., for BHR Miss R. Reg. A 29th, a May '55 daughter of HP Royal Regent 48th. Two heifer calves brought $475 each. D. C. Romberg, Keota, Iowa, paid that for BHR Miss R. Reg. A 34th by HP Royal Regent 48th, and Thompson Hereford Ranch, Chillicothe, Mo., paid $475 for BHR Miss Zato H. 9th, a daughter of TR Zato Heir 292d.

Cols. Jewett Fulkerson and Charles L. Zaring cried the sale, which was managed by Donald J. Bowman, Hamilton, Mo.

Harlan Pflederer, Oakside Farm, Tremont, Ill., and Evans E. Brittin, Williamsville, Ill., brought out a mellow fleshed "beef type" **Polled Hereford** offering at their production sale, Nov. 3, at Lincoln, Ill. The well presented offering were in strong demand, especially the very attractive group of open and bred heifers. Averages were as follows:

12 bulls averaged $272
36 females averaged $245
48 lots averaged $252

OF Gold Master 14th, a May '55 son of OF Gold Master 3d by Gold Master, from the Oakside herd, brought $425, the bid of John Sachleben, Greenview, Ill. Ralph Porter, Brimfield, Ill., paid $415 to own EB Domestic Domino, a July '55 son of WPH Domestic M. 305th from the consignment of Evans E. Brittin.

Top on females was $405 paid by Robert Bree, Mason City, Ill., for Plato Lass, an open daughter of Captain Plato 64th. Judy Plato 2d, a bred '55 daughter of Real Plato D. Jr., brought $400, the bid of Phil Leinweber, St. Joseph, Ill. Both were from the Brittin herd.

Seven steers offered averaged $140.

Cols. Guy Pettit and Dwight Knollenberg cried the sale.

Coming Livestock Sales

ANGUS

Dec. 5—Bread and Butter Sale, Denison, Iowa. F. K. Pratt, Sale Mgr., Walnut, Iowa.
Jan. 7—Missouri State Bull sale, St. Joseph, Mo.
Jan. 8—"First Family Sale" Iowana Farms, Dunlap, Iowa, and Land-Or Farm, Scranton, Iowa. Maurice Boney, Sale Mgr., Box 749, Storm Lake, Iowa.
Jan. 28-29-30—Iowa State Angus Show & Sale, Des Moines, Iowa. Clyde Hanna, Secy., Oskaloosa, Iowa.
Feb. 2—Roger Bros., and Frank B. Eitel, Kirksville, Mo.
Mar. 14—Eastern Iowa "Beefland Association," Davenport, Iowa. Oliver A. Hansen, Sale Mgr., Durant, Iowa.
Mar. 20—"Quality Blacks" sale, Davenport, Iowa. Oliver A. Hansen, Sale Mgr., Durant, Iowa.

HEREFORDS

Dec. 5—Hillandale Farm, Dispersion, Muscatine, Iowa.
Dec. 14—Meredith Farms, (calf sale) Des Moines, Iowa.
Dec. 15—Chardon Farms, (Dispersion) Grays Lake, Ill.
Dec. 19—E. O. Johnson & Son, Milford, Iowa, and Harlan Puck, Lakefield, Minn. Sale at Sioux City, Iowa.
Jan. 5—Adel Hereford Breeders, Adel, Iowa. Albert DeWitt, Sale Mgr., Peru, Iowa.
Jan. 10—Creston Hereford Breeders, Creston, Iowa. Lloyd Woods, Sale Mgr., Orient, Iowa.
Jan. 21-22-23—Iowa Hereford Association, Cedar Rapids, Iowa. Jim Mulvihill, Secy. Cumming, Iowa.
Feb. 5—Southwest Iowa Hereford Breeders, Red Oak, Iowa.
Feb. 11—Iowa Hereford Cattle Breeders Assn., Sioux City, Iowa. Henry Moore, Secy., Cylinder, Iowa.
Mar. 1-2—Western Illinois Breeders Assn. show and sale, Macomb, Ill. Robert Allen Secy., Warsaw, Ill.
Mar. 2—Bones Hereford Ranch Range Bull sale, Parker, S. D.
Mar. 6—Southeast Iowa Breeders Assn. show and sale, Mt. Pleasant, Iowa. N. K. Hartley, Secy., Hillsboro, Iowa.
Mar. 26—Blue Brass Hereford Assn., Princeton, Mo. Norma Gay Young, Secy.
April 27—Bones Hereford Ranch Annual Production sale, Parker, S. D.

POLLED HEREFORDS

Dec. 8—Illinois Polled Herefords, Princeton, Ill. Ernest Painter Secy., LaHarpe, Ill.
Jan. 8—John Dittmer & Sons, Lacona, Iowa. Sale at Creston, Iowa.
Feb. 4—Four Star Polled Hereford sale, Kirksville, Mo. Orville H. Patten. Secy., Kirksville, Mo.
Feb. 5—Northwest Iowa Polled Breeders Inc., Sioux City, Iowa. E. L. Baxter, Sale Mgr., Galva, Iowa.
Feb. 19—Hawkeye Breeders Association, Cedar Rapids, Iowa.

SHORTHORNS

Dec. 6—Geo. Struve & Sons, Manning, Iowa, and Held Bros., Hinton, Iowa. Sale at Des Moines, Iowa. Albert J. Hamann, Sale Mgr., Rock Rapids, Iowa.
Jan. 8—Tri-State Breeders show and sale, Sibley, Iowa. Albert J. Hamann, Secy.-Mgr., Rock Rapids, Iowa.
Feb. 13—42nd Annual Spring show and sale, Omaha, Nebr. Merr F. Aegerter, Sale Mgr., Seward, Nebr.
Mar. 4-5—Iowa Royal Shorthorn show and sale, Des Moines, Iowa. Albert J. Hamann, Secy.-Mgr., Rock Rapids, Iowa.
Mar. 14—Hawkeye Downs annual Spring show and sale, Cedar Rapids, Iowa. E. S. Girton, Mgr., Box 321, Marshalltown, Iowa.
Apr. 4—Southwest Iowa Shorthorns Assn., Red oak, Iowa. Arthur H. Windom, Sale Mgr., Villisca, Iowa.

POLLED SHORTHORNS

Feb. 14—42nd annual Spring show and sale, Omaha, Nebr. Merr F. Aegerter, Sale Mgr., Seward, Nebr.
Feb. 23—North Iowa Polled Shorthorn Breeders show and sale, Spencer, Iowa. Wayne A. Carr, Secy., Cincinnati, Iowa.
Mar. 9—Hawkeye Downs annual Spring show and sale, Cedar Rapids, Iowa. E. S. Girton, Mgr., Box 321, Marshalltown, Iowa.

SHEEP

Dec. 3—Cecil Bisine Suffolk dispersion, Downing, Mo.
Dec. 13—Suffolk Ewe sale, Mexico, Mo.
Dec. 15—Minnesota Sheep Breeders, Austin, Minn. Harold Saettre, Mgr., Kasson, Minn.

SPOTTED POLANDS

Feb. 16—Iowa Spotted Poland China Breeders show and sale, Boone, Iowa. Dean Eddie, Sale Mgr., Storm Lake, Iowa.

YORKSHIRES

Jan. 30—Richard K. Bruene, Wolverton Farm, Gladbrook, Iowa.

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Guaranteed to bring home the cows. Year's trial. Choice of sex. Spayed females a specialty. Priced right.
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Genuine English Shepherd and Border Collie Pups. (Either sex—also spayed females $15.00.) Order direct from this ad. Give color. (Satisfaction guaranteed.) 65,000 satisfied customers. (45 years on same farm.) Stepsaver-hobbiving farm dogs. No heeling. Training instructions, year trial, distemper vaccinated. Runfts Kennels, Reinbeck, Iowa.

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Winter manure handling demands the speed and dependability of Farmhand equipment!

THE BEST MANURE LOADER on the market. That's the new Farmhand F-11 for row crop tractors. 3500-lb. lift, 17-ft. reach, double-acting lift and tilt cylinders, plug-on hydraulic pump . . . and the price is low. Full line of attachments includes Grapple Fork, two Scoops and Hay Basket.

NEW FARMHAND F-15 is your best low-cost loader buy for tricycle type tractors. Up to 2000-lb. breakaway, 10-ft. reach, operates from tractor hydraulic system. A sturdy, dependable loader for your tough lifting and loading jobs. 44" Gravel Scoop and 78" Materials Bucket also available.

SNOW-FREE ROADS, YARDS AND FEEDLOTS are yours in a hurry with the new Farmhand F-14 Loader. With its 6½-ft. Bucket, it dozes, scoops, and piles big loads fast. Breakaway up to 2000-lbs., reach to 10-ft. Fits most row-crop tractors. 44" Manure Fork and Scoop also available.

HAUL BIG LOADS, shred and spread manure faster, more evenly. It's easy with the Farmhand 4-ton "Power-Box" with Spreader attachment. PTO-powered, with treated marine plywood floor and sides. Converts to Mechanical Feeder or Forage Unit by simply switching attachments.

FREE ILLUSTRATED BOOKLETS!

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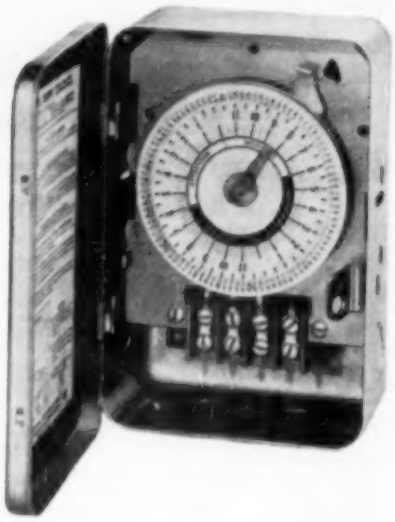
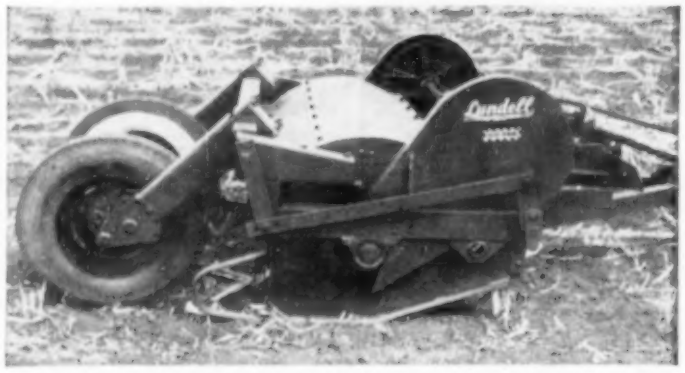
Farmhand
FIRST IN FARM MATERIALS-HANDLING

For further information about any of the products shown here, write to Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa.



Time switch is said to control up to 96 "on-off" cycles in 24 hours. Recommended for controlling pumps, poultry equipment, fans, or any other appliance that needs to be turned on and off automatically. Introduced by International Register Co.

Bait station for rodents works on the principle of a self-feeder. Ordinary glass jar holds the poison, and it works down as it's consumed. Gives rats and mice feeling of security as they eat because they're out of sight. Offered by Pioneer Rodent Control, Inc.



New axle assembly replaces regular side wheels on shredder. Various wheel widths are then possible for adjustment to whatever row crop the machine may be used on. Now available from maker of the shredder, Lundell Manufacturing Company.

Warm bed for pigs can be placed in farrowing pen. It's a galvanized steel, water-filled tank heated by electricity. Thermostat controls heat from 35 to 135 degrees. Size is 15 by 30 inches. Draws pigs away from sow and makes crushing of small pigs less likely. Can also be used for chicks, poults, etc. Made by Cresco Industries.

What's Ahead...

HOG PRICES next year will average higher than this year if business and employment remain near present levels. But the change in corn loan rates on 1957 corn will tone down next year's hog price gains.

Homer Hush

Corn loan rates for 1957 will be $1.31 or $1.36 national average—either 19 or 14 cents below this year's top loan. There will be no loan for those who do not comply with the farm program.

The prospect of cheaper feed will cause extra sows to be kept for pigs. Extra market hogs will check price advances.

LATE SPRING PIGS may hit a relatively lower market than usual next year. The announcement of lower corn price supports came after the real early sows were bred. Any sow increase from lower feed prices would affect later farrowings.

So if you bred extra sows for early pigs keep them, if you can, to replace sows for later pigs. Early pigs always bring better prices anyway.

LATEST REPORT on cattle and calves moving to Corn Belt states shows July to October totals 37 percent above one year before. Nine states are included in the four-month totals. Both direct shipments and those from public stockyards are included.

Cattle movement slowed up in November, however, according to weekly reports. But no matter what happens from here on, farmers have the raw material to make record supplies of fat cattle in the year ahead.

SHORT-FED CATTLE will be appearing on markets in good numbers this month. A lot of these cattle may be in the hands of "first-time" feeders. They make the "in-between" kind of beeves. But not many of the short-feds, no matter who feeds them, will make top grades.

So big supplies of good and low choice fat cattle can be expected in the months ahead. The wide range in prices between top cattle and lower grades will continue for some time.

SOYBEAN PRICES have been stimulated by the closing of the Suez Canal and the threat of war it carries. About 20 million bushels of beans went thru the Canal last year bound to Europe from producers in Asia. We may get part of this market. However, the beans can be taken around the tip of Africa, and some may be.

The Canal will be closed, we are told, for several months, at least. In the meantime an unstable market in beans may continue. While watching price movements, don't forget we have about 90 million bushels more beans than last year.

EGG PROFITS are likely to be improving again by the fall of 1957. The lower level of egg profits expected this winter compared to last winter, will result in fewer chicks bought for flock replacement. Then lower production and higher prices next fall.

EARLY BUYERS of grass and legume seeds may avoid a squeeze next spring. Seed production was hurt by drouth. Besides, the soil bank program is coming up. It looks like a bad time to wait until you need seed before you buy it.

WOOL INCENTIVE or production payments are unchanged for 1957 at 62 cents per pound. You can go ahead with your sheep program knowing that you will get better than parity prices for the wool part of the income.

FEEDER STEER WEIGHTS so far this season indicate no reduction in beef tonnage from that source. Average weight at 10 markets July thru September was 704 pounds both last year and this year.

Herman Danekas
Ogle County, Illinois
says:

"Arsanilic Acid

cuts my feed costs $6 to $12 a ton!"

"You can't beat Arsanilic Acid for low-cost gains and superior disease control," says Herman Danekas, Ogle County, Illinois.

Mr. Danekas knows from experience. In a year's time, he feeds out about 1,500 feeder pigs. His records show a production cost of only 8c to 9c a pound—an enviable record for most hog growers.

At one time, Herman's biggest problem was bloody scours. Even rigid sanitation failed because of continuous reinfection from organisms harbored within porous sandstone foundations of older buildings on the farm. High levels of antibiotics helped control the scours—but played havoc with hog profits.

Then came low-cost Arsanilic Acid. ***"Since I have used hog feeds containing Arsanilic Acid . . . I haven't had any trouble with bloody scours,"*** reports Mr. Danekas.

Herman's production records show that when high levels of antibiotics were originally used to control diseases such as bloody scours, his feed costs were high. Now, a combination of Arsanilic Acid and a reduced level of antibiotics gives superior performance . . . and feed costs dropped $12.00 per ton because of lower antibiotic requirements.

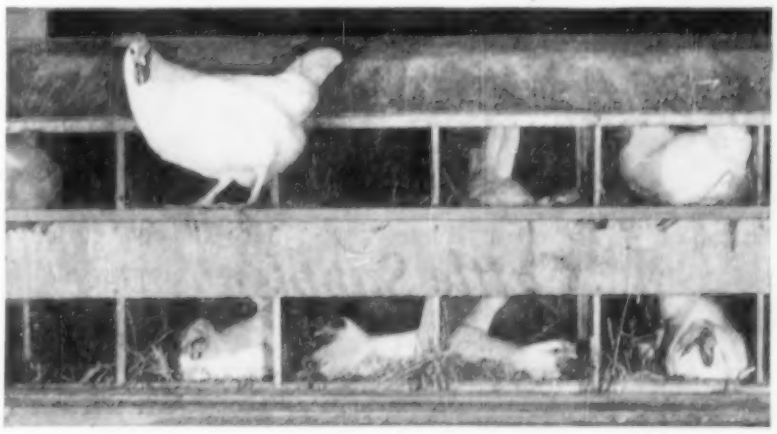
When only moderate levels of antibiotics were originally used, the addition of Arsanilic Acid reduced antibiotic requirements enough to cut feed costs $6.00 to $7.00 per ton!

Arsanilic Acid fights sub-clinical diseases in much the same way as antibiotics. But, it is also effective against organisms that antibiotics cannot control. That's why ***Arsanilic Acid makes even the best feeds better*** . . . gives faster gains on less feed plus greater uniformity, fewer runts.

Arsanilic Acid is produced by Abbott Laboratories and sold to feed manufacturers under the trade name of Pro-Gen®. The next time you buy hog feeds of any kind, be sure they contain Arsanilic Acid!

If your dealer does not carry feeds with Arsanilic Acid, he can get full information by writing to Abbott Laboratories, Chemical Sales Division, North Chicago, Illinois.

Abbott

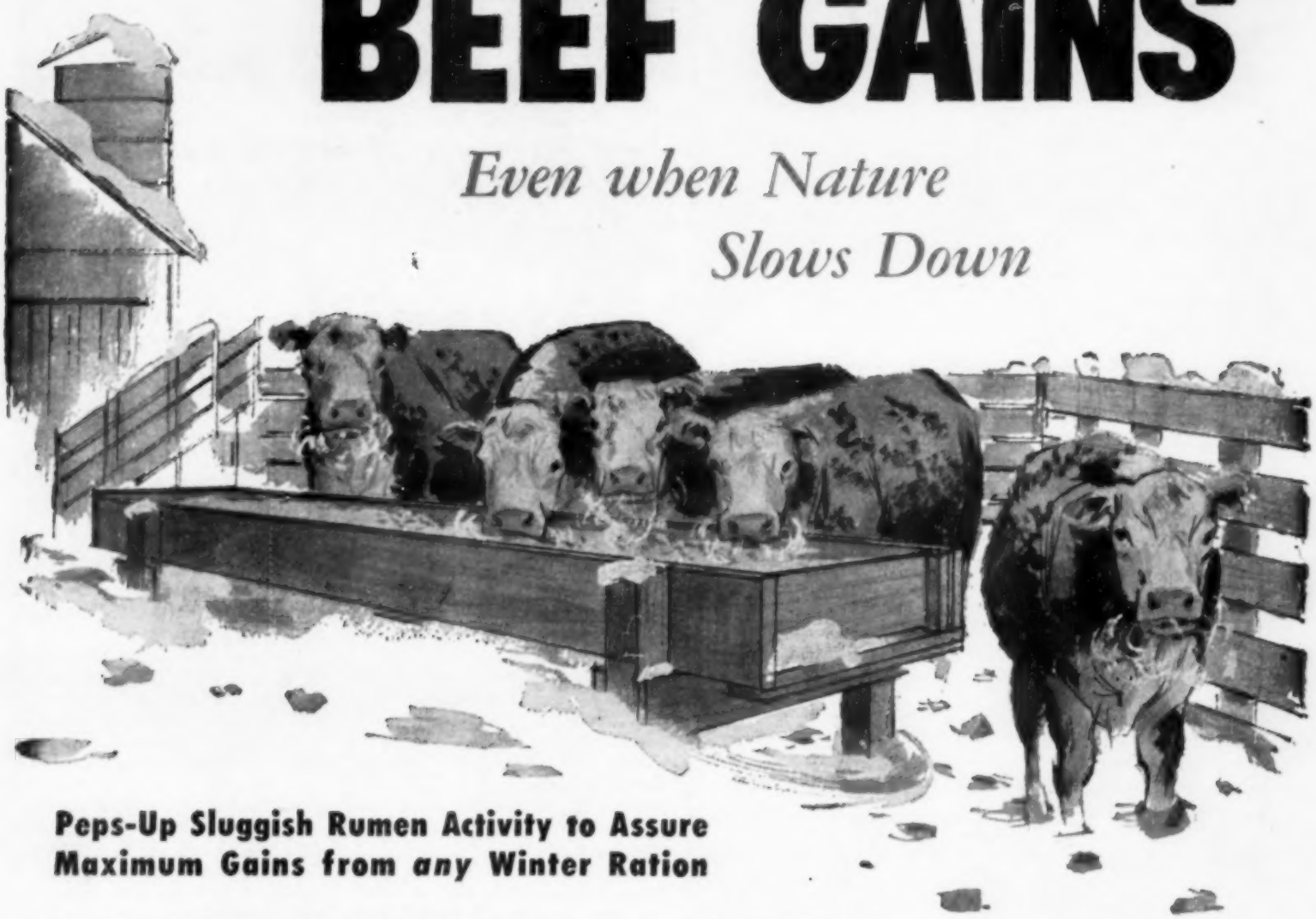


7 to 10% better egg production . . . feed savings of as much as 1.6 lbs. of feed per dozen eggs . . . and improved hatchability! That's the ***extra punch*** Arsanilic Acid gives to egg feeds at a cost of just pennies per ton. Ask your feed dealer for egg feeds containing Arsanilic Acid. 010477

Sweet Lassy

SPEEDS - UP BEEF GAINS

Even when Nature Slows Down



Peps-Up Sluggish Rumen Activity to Assure Maximum Gains from *any* Winter Ration

Sweet Lassy helps make up for nutritional deficiencies that may exist in winter rations, including rich molasses sugars, proteins, trace minerals and Vitamin A where needed. Powerful nutrients go to work and pep up sluggish rumen activity, assuring fast, economical beef gains with any ration. Sweet Lassy is a cold weather feed. It's the easy, modern way to feed molasses.

Even nature needs an assist . . . proved time and again by Sweet Lassy and alert cattlemen throughout the midwest.

Sweet Lassy®

Cattle Supplement

Sweet Lassy is also available in range or bunk size pellets, with or without Stilbestrol. Sweet Lassy is manufactured in 11%, 22% and 30% protein. Vitamin A can be added where it is needed.

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